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WHO'S WHO IN DENTISTRY

BIOGRAPHICAL SKETCHES OF PROMINENT DENTISTS

IN THE UNITED STATES AND CANADA

EDITED BY

SAMUEL GREIF, A. B., D. D. S.

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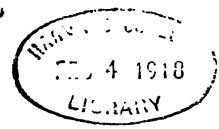

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SAMUEL GREIF

PREFACE.

There are many men of mark and distinction in the dental profession. This book is the first attempt at telling who they are and where they are. By far the greater part of the material published in this work had been furnished individually by the gentlemen whose life sketches here appear. The greater number of these sketches are printed in this book for the first time. It is expected that editions of the work will appear triennially hereafter, with the exception of the second or next coming edition which will appear in an enlarged form in the fall of nineteen sixteen.

The editor desires to express his gratitude and indebtedness to Doctor Burton Lee Thorpe of Saint Louis, the famous dental historian, for valuable services rendered in the preparation of this book.

THE EDITOR.

ROBIN ADAIR. Born in Gainesville, Georgia, February 27, 1878. He is a graduate of High School, of the Georgia State University, B. S. 1899, of the Southern Dental College, D. D. S. 1902, and of Emory College, Medical Department, M. D. 1903.—He was elected an honorary member of the Georgia State Dental Society at the age of eight, in recognition of his early interest in dentistry. He is given the credit as being the first dentist in the South to advocate and establish the dental nurse. He is a frequent clinician, and has read numerous papers in many states. He is the author of the book "Practical Oral Hygiene, Prophylaxis and Pyorrhea Alveolaris." He has collected a large dental library, containing complete bound files of all leading dental journals. In connection with this library is an interesting dental museum. He is a member of many of the leading dental and medical societies. —ADDRESS: Grant Building, Atlanta, Georgia.

SAMUEL A. ALLEN. Born in Council Bluffs, Iowa, December, 5, 1881. Received his early education in the common schools and night schools of his native city, and from borrowed books of the public library. He was graduated from the Northwestern University Dental School of Chicago in 1905, receiving the degree of D. D. S. He is now editor of the "Nebraska Dental Journal," and member of the Board of Nebraska Dental Examiners.—ADDRESS: Loup City, Iowa.

SAMUEL WILLIAM ALLEN. Born in Superior, Nebraska, January 4, 1882. Educated in Canadian public schools, Grove City Public School and Grove City College. Graduated from the Western Reserve University, Cleveland, Ohio, in 1908 with the degree of D. D. S. He was Professor of Anesthesia and Extracting for six years, and Professor of Dental Ceramics for six years, and since two years he is Professor of Clinical Materia Medica at the Western Reserve University, Dental School.—Member: Cleveland Dental Society, Northern Ohio Dental Society, Ohio State Dental Society, National Dental Association, National Institute of Dental Teachers, Wilsonian

Dental Society. He is the inventor of a foot control for dental engines, gold plugger points, and an inlay casting machine.—ADDRESS: 10509 Euclid Ave., Cleveland, Ohio.

ROBERT ROLLINS ANDREWS. Born in Boston, Massachusetts, August 7, 1844. Educated in the common schools. He learned dentistry with his uncle, Dr. R. L. Robbins, of Boston, during the age of 14 and 21. He was graduated with the degree of D. D. S., from the Boston Dental College in 1875, paying his college fees the last year by demonstrating dental embryology to his classmates. After graduation he was made Professor of Dental Histology and taught for seven years. In 1892 he received the honorary degree of A. M., from Dartmouth College in recognition of his research work in dental embryology. He has written numerous papers on dental embroyology, the most important of which was "Enamel, and the Minute Processes Taking Place During Its Development," read at the International Medical Congress, Berlin, 1890, to which he was honorary secretary from America. He wrote the chapter on "Embryology of the

Dental Tissues" for Kirk's "American Text-Book of Operative Dentistry," also a chapter for the "Annual of the Universal Medical Sciences," 1888. He was elected a Fellow of the Royal Microscopical Society of Great Britain in 1895. He served as President of the Massachusetts State Dental Society, Connecticut Valley Dental Society, and American Academy of Dental Science, Boston, 1896. In 1893 he was appointed a member of the Massachusetts Board of Registration in Dentistry. In 1899 he was elected a trustee of Tufts Dental College. He is an honorary member of the New York Odontological Society. Honorary chairman of the Section of Oral and Dental Surgery, Pan-American Medical Congress, 1892; chairman of the Committee on Microscopy and Bacteriology, World's Columbian Dental Congress, Chicago, 1892. He is the inventor of a mallet for condensing gold in filling teeth. He has occasionally turned to dramatic writing, having written about half a dozen short plays. He is fond of music and has written a number of poems. ADDRESS: 1306 Mass. Ave., Cambridge, Mass.

LOUIS E. BAKE. Born in Warren County, Illinois, October 14, 1871. Educated in the public and high schools, Red Oak, Iowa. Graduated from the University of Illinois, College of Dentistry, in 1902 with the degree of D. D. S. He is Assistant Professor of Operative Dentistry and Porcelain Art in the University of Illinois, College of Dentistry. Member: National Dental Association, Illinois State Dental Society, Chicago Dental Society. ADDRESS: 25 E. Washington St., Chicago, Ill.

HENRY ALBERT BAKER. Born November 27, 1848, at Newport, New Hampshire. Began the practice of dentistry in 1873, later came to Boston and was graduated from the Boston Dental College in 1879, receiving the degree of D. D. S. Received the first prize in the senior year. Became Demonstrator in Operative Dentistry at the Boston Dental College shortly after his graduation. From 1880 until 1887 he was lecturer on oral deformities in the same institution and during the past two years he has given special lectures in the dental department of Tufts College. In 1872 he invented the pneu-

matic mallet by a curious accident. He happened to have in his hands a tube such as boys use for bean-blowers. At the same time he had in his mouth a round piece of candy which dissolved rapidly. He playfully put one end of the tube between his lips and accidently the candy slipped into the tube. He covered the lower end of the tube with his finger to prevent it from dropping. As soon as he felt it touch his finger. he sucked the candy back, and to his surprise it flew up the tube with such force that he thought he had fractured one of his front teeth. He lay awake nearly all the following night trying to evolve a plan to utilize the force so peculiarly revealed to him. The next morning he was at the machine-shop bright and early and within three days he had the pneumatic mallet complete.— In 1881 he invented an artificial palate for correcting imperfect speech. In 1893 he invented an orthodontic appliance for correcting protruding and retruding mandibles, which is known as the "Baker Anchorage." In 1887 he contributed a chapter on "Obturators and Artificial Vela" to the American System of Dentistry. He is a member of the American Academy of Dental Science,

an honorary member of the American Society of Orthodontists, honorary member of the Vermont State Dental Society, and of the New Hampshire State Dental Society. ADDRESS: 419 Boylston St., Boston, Mass.

FRANK P. K. BARKER. Born in Gladwyne, Montgomery County, Pennsylvania. Educated in Lower Merion Grammar School and Lower Merion High School (graduate). He received the degree of D. D. S. from the University of Pennsylvania, School of Dentistry, in 1907. Two years College Academic course at same institution. He was instructor in Temple University, 1907-1909; instructor in the Graduate Dental School, University of Pennsylvania, 1909-1915; instructor of crown and bridge work, University of Pennsylvania, since 1915. Member: Sigma Alpha Epsilon Fraternity, Delta Sigma Delta Fraternity, I. O. O. F. 210 Merion, K. of P. 219 Swedelsad, F. and A. M. 273 Cassia. ADDRESS: Flanders Bldg., Philadelphia. Pa.

ELDRIDGE BASKIN. Born in Bishopville, South Carolina, in 1877. Educated in Bishop-

ville High School and South Carolina Military Academy. Graduated from the Maryland Medical College with the degree of M. D., and from the Dental Department of Maryland University, with the degree of D. D. S., 1903. He is Professor of Orthodontia and Associate Professor of Clinical Dentistry in the University of Maryland. ADDRESS: 511 N. Charles St., Baltimore, Md.

J. WRIGHT BEACH. Born in Albany County, New York, in 1886. Educated in the public and private schools. Graduated from the University of Buffalo, Dental Department, in 1904 with the degree of D. D. S. He is Lecturer on History, Ethics and Economics in the Dental Department, University of Buffalo. He is chairman of the Dental Advisory Board, Department of Health, Buffalo, N. Y., and member of the Oral Hygiene Committee, New York State Dental Society. Member Buffalo Dental Association, Eighth District Dental Society, New York State Dental Society, National Dental Association. Associate Editor "Oral Health," Toronto, Canada. District Editor "Dental Summary." ADDRESS: 131 Allen St., Buffalo, N. Y.

ROY BECKETT. Born in Powersville, Kentucky, July 4, 1886. Educated in the Kentucky public schools and Georgetown, (Ky.) Academy. Received the degree of B. A., from the Georgetown College in 1907, the degree of A. M., from the University of Cincinnati in 1910, and the degree of D. D. S., from the Cincinnati Dental College in 1914. He is Assistant Professor in Operative Dentistry in the Cincinnati College of Dental Surgery (Ohio University.) Member: North Eastern Kentucky Dental Society, Kentucky State Dental Society, National Dental Association. ADDRESS: 1041 Madison Av., Covington, Ky.

EDWARD ELWELL BELFORD. Born at Columbus Grove, Ohio, May 7, 1875. Educated in high school. Graduated from Columbian University Dental School in 1904 with the degree of D. D. S. He is Dean of the Faculty and Professor of Prosthetic Dentistry, Western Reserve University Dental School, Cleveland, Ohio. Member: Northern Ohio Dental Society, Cleveland Dental Society, Ohio State Dental Society National Dental Association, Psi Omega Dental Fraternity. ADDRESS: Rose Bldg., Cleveland, Ohio.

ARTHUR DAVENPORT BLACK. Born in Jacksonville, Illinois, November 15, 1870. Received his early education in the public schools. Graduated from the Illinois College in 1892 with the degree of B. S.; from the Northwestern University Dental School in 1900 with the degree of D. D. S., and from the Medical School in 1901 with the degree of M. D. He received the honorary degree of A. M., from the Northwestern University in 1912. He is Professor of Operative Dentistry and Assistant Professor of Oral Surgery in the Dental School of Northwestern University. He is Fellow of the American College of Surgeons. Member: Chicago Dental Society, Illinois State Dental Society, National Dental Association, Academy of Medicine at Chicago, Chicago Medical Society, Illinois State Medical Society, American Medical Association. ADDRESS: 122 S. Michigan Ave., Chicago, Ill.

EDWIN C. BLAISDELL. Born in Falls Church, Virginia, 1861. Educated at Concord, Mass., High School. Graduated from the Harvard Dental School, 1883, with the degree of D.

M. D. He is Instructor in Operative Dentistry at the Harvard Dental School, since 1892. He is honorary member of the Northwestern Dental Association, of the Maine State Dental Society, and of the Harvard Odontological Society. Active member of National Dental Association, American Academy of Dental Science, Harvard Dental Alumni Association, and New Hampshire Dental Society. ADDRESS: 3 Market St., Portsmouth, New Hampshire.

H. E. BILLER. Born in Logansport, Indiana. Educated in high school. Graduated from the Northwestern College of Dental Surgery, Chicago, Ill., in 1889 with the degree of D. D. S. He is the author of numerous essays in dental journals. Inventor of a crown for anterior teeth, and of a method of casting the gold inlay without a machine (moldine method). ADDRESS: 4703 Indiana Ave., Chicago, Ill.

WALDO ELIAS BOARDMAN. Born in Saco, Maine, September 1, 1851. Received his early education in the public schools of his native city, and the Bryant and Stratton Business College of Portland, Maine. He first engaged in

the boot and shoe business with his father, in his native city, in 1869. In 1871 he came to Boston to engage in a professional line, that of patent solicitor and council in patent causes, in which he remained for nearly four years, when his health failed owing to overwork. After four years' rest he entered the newspaper business in New York City, as partner in the publication of a weekly trade journal devoted to the cotton belt. He later entered the drug business, then the confectionery business, after which, in 1883, he entered the Dental Department of Harvard University, being graduated in 1886 with the degree of D. M. D. He was Instructor of Operative Dentistry, Dental Department of Harvard University, 1890-1900; Curator of the Dental Museum of the same institution from 1891-1915, and largely built it up from a small nucleus; Librarian of the dental department in the same institution from 1897-1915, which he also built up from a handful of books to its present proportions of nearly 3,000 volumes. He has been Editor of the QINQUENNIAL CATALOGUE of the dental department, which he started in 1896, to 1915. He was a member of the Administrative Board of the Dental School

of Harvard University, having been appointed in 1899, at its organization, to and including 1914. He was President of the Massachusetts Dental Society in 1896; Temporary President of the South Metropolitan District Dental Society at its organization in 1895. During that year he also organized the North Metropolitan, the North Eastern, the Central, and the South Eastern District Dental Societies. He served the South Metropolitan District as Councillor to the Massachusetts Dental Society in 1895 and 1896; Councillor ex-officio 1905-1911; and again Councillor in 1911 for term expiring in 1916. He also served as Treasurer of the same district from April 1896 to 1911, a period of fifteen years. He has been a member of the Executive Committee of the Massachusetts Dental Society from 1889 to the present time, and the past eleven years its chairman, except during the year 1909-1910. He was its Editor from 1898-1904. He was elected life member of the Harvard Dental Alumni Association in 1895. He was Secretary and Chairman of the Executive Committee for fifteen years, until elected President in June 1910. Active member of the Harvard Odontological Society in

1887; its Recording Secretary and Chairman ex-officio of the Executive Committee from 1891-1896; elected to Honorary Membership in February 1913. Active member, 1897-1915, of the Northeastern Dental Association; member of the Executive Committee and Chairman, 1898; President 1899-1900; member of Executive Committee and Chairman, 1901, 1902, 1906, 1909, and member 1910. Member of the Dental Protective Association of the United States, of The National Dental Protective Association (1912), and of the Board of Fifteen Trustees. Member of the American Academy of Dental Science of Boston, 1899; Recording Secretary of same since May, 1909 to 1914, when elected Vice- President. Elected an Associate Member, in 1905, of the New York Institute of Stomatology. Member of the World's Columbian Dental Congress, Chicago, 1893; member of its Finance Committee for State of Massachusetts. Member of Committee of Fifteen on Organization of the Fourth International Dental Congress, St. Louis, 1904; Chairman of the Publication of Proceedings Committee; member of the Committee of Four on Nomination of Officers; Member of the Finance Commit-

tee. Elected an active member, 1899, of the National Dental Association; member of the Necrology Committee, 1900-1903; member of the Executive Council, 1902, 1908-1909; Vice-President for the East 1903-1904; and President 1904-1905; Secretary of the Committee on Oral Hygiene, 1911-1912; member of the Committee on History, 1905-1914; Vice-Chairman, Committee on State and Local Societies, 1910-1913; Chairman local Committee of Arrangements, 1908; member of Trustees, 1914-1917. Member of the Executive Council of the "*Federation Dentaire Internationale*," 1909-1919; and member of the Commission on Education, 1904, when he read a paper before that commission. Elected an Honorary Member of the Maine State Dental Society at its fiftieth anniversary, June, 1915. Vice-President, Jamestown Dental Convention, Norfolk, Va., 1907; and Chairman of Membership for Massachusetts. Member and Delegate of Fifth International Dental Congress at Berlin, Germany, 1909; and U. S. Government Delegate to Sixth International Congress, London, England, August, 1914. He has been a frequent contributor

to dental periodical literature, and has read many papers before the Massachusetts Dental Society, Harvard Odontological Society, American Academy of Dental Science, Dental Society of the State of New York, Federation Dentaire Internationale, and other organizations. He is Chairman of the Executive Committee for Massachusetts of the Panama-Pacific Dental Congress, and Honorary President of the Congress. ADDRESS: 419 Boylston, St., Boston, Mass.

ROBERT R. BOSWORTH. Born in Minneapolis, Minnesota, March 8, 1877. Educated in grammar and high school. Graduated from the Northwestern College of Dental Surgery in 1898 with the degree of D. D. S. Demonstrator Nitrous Oxide and Oxygen Anesthesia, Illinois Post-Graduate Medical School. Visiting Anesthetist of Chicago Hospitals. Member: Chicago Dental Society, Illinois State Dental Society, National Dental Association. Inventor of the Bosworth Mouth Opening Gag, and the Bosworth Light. ADDRESS: Marshall Field Annex Bldg., Chicago, Ill.

GEORGE ALEXANDER BOWMAN. Born in Barnard, Vermont, June 6, 1839. Spent his early boyhood on his father's farm. Attended the common school in the native village, and had an academic course at Royalton and Newbury, Vt. He began the study of dentistry under a preceptor in 1857 and after a year's tutelage entered into active practice. Since 1865 he has been practicing in St. Louis, Missouri. He assisted in organizing the Missouri Dental College in 1866, in which he was the first Demonstrator of Prosthetic Dentistry, and for years a member of the Board of Trustees, and of the Clinical Staff. From this institution he received the degree of D. D. S. in 1867, at the first commencement exercises. He was President of the Missouri Dental College Alumni Association in 1891. Secretary of the Missouri State Dental Association 1870-1-2; Vice-President 1875; President, 1876. President of the St. Louis Dental Society in 1873. President of the St. Louis Society of Dental Science in 1908. The latter society gave a dinner in his honor on his golden jubilee, October 8, 1908. He is an honorary member of the Illinois and Iowa State Dental Associations. Member of the Masonic

Order (33 degree), of the I. O. O. F., Knights of Pythias, Royal Arcanum and Legion of Honor, in all of which he has filled the highest offices, and been prominent in the ritualistic and dramatic work. Possessing a fine tenor voice, he sang for twelve years in St. Louis church choirs, also took a prominent part in amateur operas, oratorios, etc. He was a member of the old Philharmonic Society and of the Oratoric Society, as well as of the St. Louis Club and the St. Louis Jockey Club. ADDRESS: Lister Bldg., St. Louis, Mo.

CHARLES ALBERT BRACKETT. Born in Lempster, New Hampshire, January 2, 1850. Educated in the public schools. Received the degree of D. M. D., from the Dental Department of Harvard University in 1873. He held the following positions in the Harvard Dental School: Instructor in Dental Therapeutics 1874-1880; Assistant Professor 1880-1883; Professor of Dental Pathology and Therapeutics 1883-1890; Professor of Dental Pathology since 1890. He was President of the Rhode Island State Board of Registration in Dentistry 1888-1897. Delegate to the International Medical Congress, London, 1881;

Ninth International Medical Congress, Washington, 1887; World's Columbian Dental Congress, Chicago, 1893; Trustee and Consulting Dental Surgeon of the Newport Hospital. Chairman of the Commission for drafting new city charter for Newport in 1906. Trustee People's Library. Member: Rhode Island, Massachusetts and New Hampshire Dental Societies; First District Dental Society of New York, Northeastern Dental Society (ex-President), and American Academy of Dental Science (ex-President). ADDRESS: 102 Touro St., Newport, R. I.

WILLIAM J. BRADY. Born in Illinois, June 14, 1862. Educated in Aledo Academy, Aledo, Ill. Graduated from the Dental Department of the State University of Iowa in 1886 with the degree of D. D. S. He is Dean of the International School of Orthodontia, Professor of Orthodontia in the Western Dental College and ex-Professor of Orthodontia of the State University of Iowa. He is Honorary member of the Iowa State Dental Society and Nebraska State Dental Society. Member: Kansas City Dental Society, Missouri State Dental Society, and National Dental Association. In-

ventor of Contoured Clamp Bands for Orthodontia and the Brady Regulating Appliances. ADDRESS: 3103 Troost Ave., Kansas City, Mo.

FRANK T. BREENE. Born in Durant, Iowa, November 4, 1866. Graduated from the Wilton High School. Received the degree of D. D. S., from the State University of Iowa, College of Dentistry, in 1888. Received the M. D. degree from the State University of Iowa, College of Medicine, in 1893. He became Demonstrator at the College of Dentistry in 1888; Professor of Clinical Dentistry in 1890; Professor of Operative Dentistry and Therapeutics in 1896; Dean of the College in 1914. The latter two positions he still holds. Member: International Dental Federation, National Dental Association, American Medical Association. ADDRESS: Iowa City, Iowa; State Univ. of Iowa, College of Dentistry.

O. F. BRIGHAM. Born in Newport, Maine, November 8, 1868. Educated in the Newport High School. Member of Board of Health of Springvale, Maine, for ten years. Chairman of

Board of Health at present. Contributor to current dental literature. Recently won fourth prize in "Million Dollar" contest in ORAL HYGIENE. Member: Maine Dental Society, North Eastern Dental Society, National Dental Association. ADDRESS: Springvale, Maine.

FREDERICK JOHN BROCKMAN. Born in Nokomis, Illinois, July 10, 1885. Educated in grammar and high school. Graduated from the Central Wesleyan College, Warrenton, Mo., with the degree of A. B., and from the Washington University, Dental School, in 1912 with the degree of D. D. S. He was Demonstrator in the Washington University Dental School, St. Louis, Mo. Member: St. Louis Dental Society, Missouri State Dental Society and National Dental Association. ADDRESS: 4310 Evans Ave., St. Louis, Mo.

ISAAC NORMAN BROOMELL. Born in Chester County, Pennsylvania, November 25, 1858. Educated in Friend's Central School, Philadelphia, 1875-8; received the A. M. degree in 1878. Graduated from the Pennsylvania College of

Dental Surgery with the degree of D. D. S. in 1879. He was Professor of Dental Anatomy, Dental Histology, and Prosthetic Dentistry, Pennsylvania College of Dental Surgery, since 1898. He is Dean and Professor of Dental Anatomy, Dental Histology and Prosthetic Dentistry in the Dental Department of the Medico-Chirurgical College, Philadelphia, since 1906. He was President of the Pennsylvania State Dental Society 1905-6, and of the Academy of Stomatology 1906-7. He is a member of the American Dental Association, the New York State Dental Society, and the Dental Society of France. He is the author of "Anatomy and Histology of the Mouth and Teeth," 1898; "Practical Dentistry," 1908. He is a frequent contributor to the periodical dental literature. ADDRESS: The Flanders, 15th and Walnut Sts., Philadelphia, Pa.

TRUMAN WILLIAM BROPHY. Born in Will County, Illinois, April 12, 1848. Received an Academic education. Graduated from the Pennsylvania College of Dental Surgery in 1872, receiving the degree of D. D. S. Received the M. D. degree from the Rush Medical College,

Chicago, in 1880. In 1889 he received the L. L. D. degree from the Lake Forest University. Other degrees: Sc. D., F. A. C. S. He is Dean of the Faculty and Professor and Head of the Department of Oral Surgery, Chicago College of Dental Surgery (Valparaiso University). He is Dental and Oral Surgeon to the Presbyterian Hospital, and Consulting Oral Surgeon to the Provident Hospital, Chicago. He was President of the Fourteenth International Medical Congress, and of the International Commission of Education. Delegate to the Fourth International Dental Congress at Madrid, Spain, 1893. Fellow American College of Surgeons. Member: International Dental Federation, Association of North American Surgeons, Association of Military Surgeons, U. S. A., National Association of Dental Faculties, Institute of Dental Pedagogics. ADDRESS: 81 E. Madison St., Chicago, Ill.

ANDREW J. BROWN. Born near Charlestown, Kent County, Maryland, September 29, 1859. Educated in the graded and high schools, New Castle, Delaware. Received the degree of D. D. S. from the National and Howard Universities.

He is Dean and Professor of Operative Dentistry and Operative Technics in Howard University, Dental College. Member: District of Columbia Dental Society, National Dental Association, National Association of Dental Faculties. Author of Biographical Sketch of Howard University, published in Koch's "History of Dental Surgery;" History of the Medical Department of Howard University, published by Lamb in 1900, Washington, D. C.; Biographical Sketch, Masonic, published by B. B. French Lodge, Washington, D. C. Inventor of Brown's Saw File and Tape Carrier for the Engine, manufactured and sold by the S. S. White Co.—ADDRESS: Riggs Bldg., Washington, D. C.

COROL EDWIN BROWN. Born in Tobias, Nebraska, January 17, 1882. Educated in Tobias High School, Tobias, Nebr., and Lincoln Academy, Nebr. Graduated from the Lincoln Dental College with the degree of D. D. S. He is Instructor in Orthodontia and Clinical Demonstrator in the Lincoln Dental College. Member: National Dental Association, Nebraska State Dental Society, Lincoln Dental Society, Xi Psi Phi Fraternity.—ADDRESS: University Place, Lincoln, Nebr.

HOMER C. BROWN. Graduated from the Ohio College of Dental Surgery in 1890 with the degree of D. D. S. He was President of the National Dental Association, also Corresponding and Recording Secretary. Ex-Secretary of the Ohio State Board of Dental Examiners. Ex-President of the Ohio State Dental Society, and Ex-President of the Columbus Dental Society. Member of the Ohio State Board of Health and Council of American School Hygiene Association. He is Special Lecturer in the Dental and Medical Departments of the Ohio State University. Honorary President of the Panama-Pacific Dental Congress, and presented two papers before the Congress on the following subjects: "The Combined Agencies in Ohio Co-operating in a General Oral Hygiene Educational Campaign," and "Some Suggestions in Securing Adequate and Uniform Dental Legislation." Recently he was one of the incorporators of the Research Institute of the National Dental Association, and a Trustee of the Institute. He was Chairman of the Public Health Committee of the Columbus Chamber of Commerce.—ADDRESS: 185 E. State St., Columbus, Ohio.

EDWARD H. BRUENING. Born in Montezuma, Iowa, November 25, 1881. Graduated from the Omaha Dental College in 1903, with the degree of D. D. S. He is Superintendent, and Professor of Histology and Dental Anatomy, Creighton Dental College, since 1913. Ex-President: Nebraska State Dental Society, Omaha City Dental Society, Odontological Society. Secretary-Treasurer: Woodbury Study Club since organization in 1906.—ADDRESS: 330 Bee Building, Omaha, Nebraska.

JOHN P. BUCKLEY. Born in Lowell, Indiana, December 20, 1873. Educated in the District School, Lowell High School, and Valparaiso (Ind.) University. Graduated from the Pharmacy Department of Valparaiso University in 1896, with the degree of Ph. D., and from the Chicago College of Dental Surgery in 1898 with the degree of D. D. S. He taught school in Lake County, Indiana, for three years, and taught chemistry in the Chicago College of Dental Surgery for several years. Since 1903 he is Professor and Head of the Department of Materia Medica and Therapeutics at the Chicago College of Dental Surgery (Valparaiso University). He is Ex-President of the Chicago Dental Society,

and Ex-President of the Illinois State Dental Society (1915). Trustee of the National Dental Association. Honorary member of several State Dental Societies. He is the author of a text-book on "Dental Materia Medica, Pharmacy and Therapeutics." He contributed several chapters to Johnson's "Text-Book of Operative Dentistry," and is a frequent contributor to current dental literature. He suggested the formulæ for "Formocresol" (Buckley), "Desensitizing Paste" (Buckley), and numerous other valuable formulæ.—ADDRESS: 39 S. State St., Chicago, Ill.

RUSSELL W. BUNTING. Born in Ann Arbor, Michigan, June 2, 1881. Educated in Ann Arbor High School. Graduated from the College of Dental Surgery, University of Michigan, in 1902 with the degree of D. D. S., and in 1908 with the degree of D. D. Sc. He is Professor of Dental Histology and Pathology in the University of Michigan. Member: Michigan State Dental Association, National Dental Association, Nebraska State Dental Association, Northern Ohio Dental Association, American Medical Association. Frequent contributor to current dental publications on the subjects of the "Saliva and Dental Caries."—ADDRESS: 916 Church St., Ann Arbor, Mich.

HARVEY J. BURKHART. Born in Cleveland, Ohio, August 14, 1864. Obtained his early education at the Cleveland public schools and the Dansville Seminary at Dansville, N. Y., at which place he eventually studied dentistry with his brother, Dr. A. P. Burkhart, and later at the Baltimore College of Dental Surgery from which he was graduated with the degree of D. D. S. in 1890. After graduation he located at Batavia, N. Y., to continue his practice. He was President of the Eighth District Dental Society of New York, President of the New York State Dental Society, President of the National Dental Association in 1899, and President of the Fourth International Dental Congress at St. Louis in 1904. He is member and Secretary of the New York State Board of Dental Examiners. He was Mayor of Batavia, N. Y., 1902-1906, and is the present Mayor of the City of Batavia under the new charter. He is President of the Board of Education of Batavia 14 years. President of the Board of Trade and Businessmen's Association, Batavia. Director of various business organizations. Active in all branches of Masonry, Oddfellowship and the Order of Maccabees, of which he has passed through the principal chairs in each.—ADDRESS: Batavia, N. Y.

C. M. CAHILL. Born in Blufton, Allen Co., Ohio. Educated in grammar and high schools. Graduated from the Pharmaceutical Department of Valparaiso University with the degrees of P. C. and Ph. G. Received the degree of D. D. S. from the Dental Department of Lake Forest University (Chicago College of Dental Surgery) in 1902. He was Lecturer on Anesthesia and Anesthetics at the Northern Indiana College of Pharmacy for six years. Superintendent of the Dental Infirmary of the Chicago College of Dental Surgery for several years. At present he is Professor of Materia Medica at the Chicago College of Dental Surgery. Member of city, state and national dental societies, and occasional contributor to dental journals.—ADDRESS: 705 Wendell Bank Bldg., Chicago, Ill.

WILLIAM A. CAPON. Born in Barrie, Ontario, Canada. Educated in public and high schools. Graduated from the Philadelphia Dental College in 1890 with the degree of D. D. S. He is Assistant Professor of Dental Ceramics in the Thomas W. Evans Museum and Dental Institute, School of Dentistry, University of Pennsylvania. He is a member of the Philadelphia Academy of

Stomatology, Pennsylvania Society of Dental Surgeons, Pennsylvania State Dental Society, First District Dental Society of N. Y., and National Dental Association. ADDRESS: Real Estate Trust Bldg., Philadelphia, Pa.

JOHN P. CARMICHAEL. Born in Rockford, Illinois, May 28, 1856. Educated in the Rockford High School. Graduated from the College of Dental Surgery of the University of Michigan in 1880 with the degree of D. D. S. He is a member of the Wisconsin State Board of Dental Examiners since five years. He is the inventor of the Universal Tooth Clamp and Forceps; Rubber Dam Holder; first Crown Die for the Swedging of Gold Tooth Crowns; Carmichael Dental Bridge Attachment (Evan's text-book on "Crown and Bridgework," 7th edition); Carmi Lustro Preparations, Carmi Lustro Tooth Napkins. Author of numerous articles on Crown and Bridge Work; Theory and Practice on the Treatment of Pyorrhea and Dental Prophylaxis.—ADDRESS: Wells Bldg., Milwaukee, Wisconsin.

THOMAS EDWARD CARMODY. Born May 22, 1875. Graduate of high school, Owosso,

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MELLORY CATLETT. Born in Canton, Mississippi. Graduated from the Canton High School and from the Mississippi State Normal College receiving the degree of B. S. Received the degree of D. D. S. from the Colorado College of Dental Surgery, University of Denver, 1903. Professor of Dental Pathology at the Colorado College of

Dental Surgery. Ex-Member of the Colorado State Board of Dental Examiners. Member: Denver Dental Association, Psi Omega Fraternity. —ADDRESS: 625 Metropolitan Bldg., Denver, Colorado.

DAVID MAHLON CATTELL. Born in Harrisville, Harrison County, Ohio, June 26, 1852. Educated in the district school, Mt. Pleasant Seminary (Friends School), and Earlham College, Richmond, Ind. (Friends School). Received the degree of D. D. S. from the College of Dental Surgery, University of Michigan, in 1879, and the honorary degree of A. M. from the University of Michigan in 1915. He taught in the Chicago Dental Schools from 1888 to 1903, in the Vanderbilt University, Nashville, Tenn., from 1903 to 1906, and since 1906 to the present in the University of Tennessee, College of Dentistry, Memphis, Tenn. He is Registrar, Professor of Dental Anatomy, Operative Dentistry and Exodontia, and General Superintendent of the Operative Clinic in the University of Tennessee, College of Dentistry. He was the originator of the course known as Operative Technics, 1888, Chicago College of Dental Surgery, and of the "National School of Dental Tech-

nics," later called the "Institute of Dental Technics," and now known as the "American Institute of Dental Teachers." He is he inventor of 5-edged enamel bevellers. Member of the following dental societies: (Local) Chicago Dental Society, Nashville Society of Dental Surgeons, Memphis Dental Society; (State) Illinois State Dental Society, Tennessee State Dental Association; (National) National Association of Dental Faculties, and National Institute of Dental Pedagogics. Honorary Member of the Arkansas, Mississippi, Michigan and Texas State Dental Societies.— ADDRESS: University of Tennessee, Memphis, Tenn.

WILLIAM CAVANAGH. Born in Huron County, Ontario, Canada, in 1876. Educated in public schools and Normal School. Graduated from the North Pacific College of Dentistry in 1901 with the degree of D. M. D. Post-graduate course Angle School of Orthodontia. He was Instructor of Metallurgy and Demonstrator of Operative Dentistry, and is at present Professor of Orthodontia in the North Pacific College, School of Dentistry, Portland, Oregon. Member: Portland Dental Society, Oregon State Dental Association,

National Dental Association, Alumni Association Angle School of Orthdontia, Pacific Coast Society of Orthodontists. ADDRESS: Corbett Bldg., Portland, Oregon.

HERMAN E. S. CHAYES. Born in Austria, July 14, 1877. Educated in the public schools and gymnasium. Graduated from the New York College of Dentistry in 1901 with the degree of D. D. S. He is the inventor of Chayes Dental Paralellomet, Paralellodrill and accessories, and Chayes Resilient Attachments for Bridgework. Author: "Technique of the Cast Gold Inlay with an Introduction, The Philosophy of Teaching," "Empiricism of Bridgework," "Telescope Crown," "Combination Crown," "Philosophy of Bridgework," "Bridgework Conductive to Health," etc. ADDRESS: 576 Fifth Ave., New York, N. Y.

PRICE CHEANEY. Born in Henderson, Kentucky, May 2, 1859. Educated in the Henderson grammar and high schools. Graduated from the Baltimore College of Dental Surgery in 1894 and from the Northwestern College of Dental Surgery in 1894 with the degrees of D. D. S. Received

the degree of M. D., from the National Medical University of Chicago in 1894 and from the Southwestern University Medical College in 1904. Received the honorary degree of M. D., from the Dunham Medical College and Hospital of Chicago in 1900. Graduated from the Chicago School of Science in 1896 with the degree of B. S. Post-graduate courses in prosthetic dentistry, Haskell Post-graduate Dental School, and Chicago Eye, Ear, Nose and Throat College 1904. He was Professor of Prosthetic Dentistry in the Northwestern College of Dental Surgery 1893-1896, Dean, 1894. Professor of Prosthetic Dentistry in Columbian Dental College 1897. He is ex-President and member of the Dallas District Dental Society. Member: Dallas County Dental Association, Oklahoma State Dental Association 1902, Dallas Medical and Surgical Society. ADDRESS: Wilson Bldg., Dallas, Texas.

HARRY S. CLARK. Born in Rochester, Vt., July 22, 1877. Educated in the public and high schools. Received the degree of B. S., from Harvard University. Graduated from the Harvard Dental School with the degree of D. M. D., in

1904. He is now Instructor in Prosthetic Dentistry at Harvard University, Dental School. ADDRESS: 44 Maple St., Danvers, Mass.

WARREN MARTIN CLAWSON. Born near Cambridge Springs, Pennsylvania April 25, 1876. Graduated from the Ohio College of Dental Surgery, University of Cincinnati, in 1900 with the degree of D. D. S. He was Professor of Prosthesis and Metallurgy, and Demonstrator in Prosthetic Technics in the Cincinnati College of Dental Surgery 1904-07. He is the inventor of a hygienic crown and of plastic instruments. Member: National Dental Association, Ohio State Dental Association, Cincinnati Dental Society, Northern Ohio Dental Society. Charter member of the National Mouth Hygiene Association. ADDRESS: Groton Bldg., 7th and Race Sts., Cincinnati, Ohio.

FREDERICK EMORY COBB. Born in Chicago, Illinois, December 18, 1866. Graduated from the Shatteck School in 1886. Received the degree of D. M. D., from the University of Minnesota in 1895. He is ex-President of the Minnesota State Board of Dental Examiners, and ex-Sec-

retary of the Minnesota State Dental Society. Member of the Minnesota State Dental Society and Minneapolis City Dental Society. ADDRESS: Donaldson Bldg., Minneapolis, Minn.

ERNEST D. COFIELD. Born in Risingsun, Indiana, September 9, 1878. Graduated from the Indiana Dental College in 1907 with the degree of D. D. S. He was Superintendent of Clinics for three years at the Indiana Dental College, and is at present Professor of Anesthesia and Exodontia. Member: Indianapolis Dental Society, Indiana State Dental Society, National Dental Association, Delta Sigma Delta Fraternity, and Masonic Lodge. ADDRESS: Board of Trade Bldg., Indianapolis, Indiana.

EDGAR DAVID COOLIDGE. Born in Galesburg, Illinois, July 15, 1881. Educated in grade and high schools. Received the degree of D. D. S., from the Chicago College of Dental Surgery in 1906. He is head of the Department of Materia Medica, Pharmacology and Therapeutics in the University of Illinois, College of Dentistry. Member: National Dental Association, Illinois State

Dental Society Chicago Dental Society. ADDRESS: 59 E. Madison St., Chicago, Ill.

CLARENCE S. COPELAND. Born in Washington, New Hampshire, May 11, 1870. Educated in the public schools and South Lancaster Academy. Graduated from the Philadelphia Dental College in 1896 with the degree of D. D. S. He is Vice-President of the New Hampshire Board of Dental Examiners. Member: New Hampshire Dental Society, Northeastern Dental Society, National Dental Association. ADDRESS: Rochester, N. H.

THOMAS COWLING. Born in Toronto, Canada, 1888. Educated at the Jarvis Collegiate Institute, Toronto; McMaster University, Toronto, (Natural Science Course); Royal College of Dental Surgeons, Toronto, being graduated in 1912 at the head of the class and receiving the degree of L. D. S. Received the degree of D. D. S., from the Toronto University. He is Professor of Dental Metallurgy at the Royal College of Dental Surgeons of Toronto, also Lecturer on Chemistry. He is Contributing Editor of "Oral Health." ADDRESSS: 1 Grant St., Toronto, Ont., Canada.

NICK W. COX. Born in Cairo, Illinois, in 1886. Graduated from the Northwestern University Dental School in 1907 with the degree of D. D. S. President of the Illinois State Board of Dental Examiners. Ex-President of the Southern Illinois District Dental Society. Member of the Illinois State Dental Society and National Dental Association. ADDRESS: Cairo, Ill.

ARTHUR BARTON CRANE. Born in Plainfield, New Jersey, September 24, 1876. Educated in the Plainfield public schools. Graduated from the University of Pennsylvania, School of Dentistry, in 1899 with the degree of D. D. S. He is founder of the Beta Gamma Chapter of the Psi Omega Fraternity. Professor of Oral Surgery in the George Washington University, Dental School. Member of the Childrens' Clinic Committee, D. C. D. S. Member: District of Columbia Dental Society, National Dental Association, Psi Omega Dental Fraternity. He is the inventor of a root extracting instrument. He has published the following:

"Dentalone as an Anelgesic," ITEMS OF INTEREST, 1906.

"Some Strange Results Following the Tentative Extraction of Teeth," DENTAL BRIEF, 1907.

"Neurasthenia and Some of Its Oral Manifestations," ITEMS OF INTEREST, 1907.

"Surgical Technique of the Maxillary Sinus," DENTAL COSMOS, 1909.

"Therapeutics and Surgery of Alveolar Abscess," DENTAL COSMOS, 1911.

"The Responsibility of the Dentist in Oral Malignancy," DENTAL COSMOS, 1913.

ADDRESS: 1424 K. St., N. W., Washington, D. C.

HUBERT A. CROLL. Born in Claude, Ontario, Canada, December 11, 1872. Educated in Simcoe Collegiate Institute. Graduated from the Royal College of Dental Surgeons of Ontario with the degree of M. D. S., and from the University of Toronto with the degree of D. D. S. He was President of the Board of Districts of the Manitoba Dental Association, 1914, resigned at commencement of war when enlisted for active service. Member of Western Canada Dental Society and of Canadian Dental Society. He has given clinics and read papers before them. ADDRESS: Souris, Manitoba, Canada.

ALBERT WILLIAM CROSBY. Born in Hartford, Connecticut, November 13, 1870. Educated in private schools and Hartford High School. Graduated from the New York College of Dentistry in 1891 with the degree of D. D. S. Post graduate course in the Angle School of Orthodontia, and special work in the Manhattan Eye, Ear and Throat Hospital, the N. Y. Postgraduate School for Physicians and Surgeons, and Yale Medical School. He is State Dental Commissioner since 1908. Ex-President New London County Dental Association; Ex-President Connecticut State Dental Association; Ex-President Eastern Alumni Angle School of Orthodontia. Member: New London County Dental Association, Northeastern Dental Association, National Dental Association, Angle Alumni Association, Horace Wells Club. Associate member: First District Dental Society of N. Y. New Haven Dental Association, Mason 32 degree, Quinnipiack Club of New Haven, Thames Club of New London, Yale Alumni, Chamber of Commerce of New Haven. Contributor to the Dental journals.—ADDRESS: 59 College St., New Haven, Conn.

HENRY L. CRUTTENDEN. Born in Morris, Otsego County, N. Y., April 20, 1856. Educated in the Morris High School. Began the study of dentistry in 1876 at Wisconsin and Minnesota, and in June, 1879, he located in Northfield, Minnesota as a practicing dentist and has occupied the same office in the same town to the present day. He was in the Committee on Organization of the Minnesota State Dental Association, was elected its first secretary, which office he held until elected President, later again holding the office of secretary (seven years in all). He was also President of the Southern Minnesota Dental Society. He has written a number of articles for the dental journals, and has obtained 14 patents pertaining to dentistry in this country, and abroad, among them the Articulating Guide, Gasoline Blow-pipes, Cement Syringe, Dies for Tooth Backings, and the popular "Jiffy Cement Tubes." ADDRESS: Northfield, Minnesota.

LEVITT E. CUSTER. Born in Perrysville, Ohio, June 18, 1862. Received the degree of A. M. from Otterbein University and the degree of D. D. S., from the Ohio College of Dental Sur-

gery, 1887. He was Lecturer on Anesthetics, Obtundents and Dental Electricity at the Ohio College of Dental Surgery. Author of Dental Electricity" and 55 original papers. Inventor of the Electric Porcelain Oven, Electric Gold Annealer, Electrical Cabinet, and others. ADDRESS: 28 N. Ludlow St., Dayton, Ohio.

WILLIAM G. DABRYMPLE. Born in Monmouth, Illinois, December 6, 1865. Educated in the High School of Menomenie, Wisconsin. Graduated from Chicago College of Dental Surgery in 1888 with the degree of D. D. S. President, Utah State Dental Society, 1903-04-05; Secretary- Treasurer, 1912-13. Member of the Utah State Board of Dental Examiners since 1903; re-appointed March 1915 for four years; President of the Board, 1906-07-10. Elected Vice-President for the West of the National Association of Dental Examiners at the meeting held in San Francisco, August 31, 1915. ADDRESS: Eccles Bldg., Ogden, Utah.

CHARLES T. DAGGETT. Born in Cincinnati, Ohio, in 1880. Educated in the Cincinnati public and high schools. Graduated from the

Ohio College of Dental Surgery in 1903 with the degree of D. D. S. Chairman, Alaska, National Mouth Hygiene Association. President, Alaska Dental Association. ADDRESS: Daggett Block, Seward, Alaska.

WILLIAM CURTIS DALBEY. Born in Washington, Iowa, in 1868. Educated in Battle Creek College, Battle Creek, Michigan. Graduated from the Northwestern University Dental School in 1903 with the degree of D. D. S. Formerly a school teacher. Instructor in the Dental Department of the University of Tennessee. Lecturer on Anatomical Articulation and kindred subjects. He has made over twenty inventions, obtaining patents, fourteen of which were consigned to the Cleveland Dental Mfg. Co. Contributor to dental publications. ADDRESS: Du Quoin, Illinois.

ERNEST P. DAMERON. Born in Marionville, Missouri, November 9, 1874. Educated in public school, Marionville College, Spaldings Commercial College and Teachers Normal College. Received the degree of D. D. S. from the Western Dental College in 1898. He was Professor of

Materia Medica and Therapeutics in the Barnes Dental College. Ex-President of the St. Louis Society of Dental Science. President National Dental Protective Association. Ex-member Oral Hygiene Committee, National Dental Association. Ex-member Board of Governors National Mouth Hygiene Association. Honorary member Tennessee State Dental Association. Member: Missouri State Dental Society, St. Louis Dental Society, Delta Sigma Delta Fraternity. ADDRESS: De Menil Bldg., St. Louis, Mo.

EDWIN TYLER DARBY. Born in Binghampton, N. Y., August 21, 1845. Educated at the Cortland Academy of Homer, N. Y. He began the study of dentistry in 1862, when sixteen years of age, with a preceptor, and the following year at the age of seventeen began the practice of his profession at Marion, New York. In the autumn of 1864 he entered the Pennsylvania College of Dental Surgery in Philadelphia, from which he was graduated the following March, 1865, receiving the degree of D. D. S. Soon after his graduation he was elected Demonstrator of Operative Dentistry in his alma mater. In 1876 he was elected

Professor of Operative Dentistry, Dental Histology and Pathology in the Pennsylvania College of Dental Surgery, and held the position until the establishment of the School of Dentistry in the University of Pennsylvania in 1878, when he resigned to accept the professorship of Operative Dentistry in that institution, the chair which he now holds. The same year the degree of M. D. was conferred upon him by the University of Pennsylvania. He was President of the old American Dental Association, the predecessor to the present National Dental Association in 1883 and President of the Pennsylvania State Dental Society in 1875. He served for eight years as one of the Board of Dental Examiners of the State of Pennsylvania after the passage of the dental law. He has received the honorary degree of LI.. D. in recognition of his work . He is a member of the New York Odontological Society, the First District Dental Society of the State of New York, the Central Dental Association of New Jersey, the National Dental Association, the Pennsylvania State Dental Society, and the Academy of Stomatology of Philadelphia. He has been a frequent contributor to the literature of his profession. In 1906 he received from the New York State Den-

tal Society its gold medal, bestowed in recognition of "distinguished service tendered the science and art of dentistry." ADDRESS: 1701 Locust St., Philadelphia, Pa.

WALLACE CLYDE DAVIS. Born in Port Byron, Illinois, June 23, 1866. Educated in High School (3½ years,) and York M. E. College, now Wesleyan University (4 years,) degree B. S. Received the degree of D. D. S. from the College of Dentistry, University of Iowa, and the degree of M. D. from the Medical Department of Cotner University. He is Dean and Professor of Operative Dentistry in the Lincoln Dental College associated with the University of Nebraska. He is a member of the Nebraska State Dental Society, Lincoln Dental Society, American Dental Association, and Xi Psi Phi Fraternity. Author of "Essentials of Operative Dentistry," two editions. Editor of "Lincoln Dental News." ADDRESS: Oliver Bldg., Lincoln, Nebraska.

HARRY TENISON DEANE. Born March 13, 1886. Educated in public and private schools in the city of New York. Graduated from the

College of Dental and Oral Surgery of New York in 1908 with the degree of D. D. S. He is Instructor of Orthodontia in the College of Dental and Oral Surgery of N. Y. ADDRESS: 616 Madison Ave., New York, N. Y.

WILLIAM CLYDE DECKER. Born in Flinton, Cambria County, Pennsylvania, May 17, 1888. Educated in Huntingdon High School. Graduated from the Dental School of the University of Pennsylvania with the degree of D. D. S. in 1910. He is Instructor of Removable Crown and Bridge Work in the Dental Graduate School of the University of Pennsylvania. Oral Surgeon to the Philadelphia General Hospital. Member of the Delta Sigma Delta Fraternity. ADDRESS: 1728 Chestnut St., Philadelphia, Pa.

WILLIAM H. DE FORD. Born in Centerville, Maryland, June 3, 1858. Graduated from the Western Maryland College in 1880 with the degree of A. B. and in 1883 with the degree of A. M. Obtained the degree of D. D. S. from the Baltimore College of Dental Surgery in 1882, and the degree of M. D. from the College of Physicians

and Surgeons of Baltimore in 1883. He was formerly Professor of Oral Surgery, Pathology and Hygiene in the College of Dentistry, State University of Iowa. Late Dean and Professor of Anesthetics and Pathology of Drake University College of Dentistry. He is Ex-President of the Iowa State Board of Dental Examiners, and Ex-President of the Iowa State Dental Society. He is a member of the National Dental Association and American Medical Association. Ex-member: American Association of Anesthetists, New York Society of Anesthetists, First District Dental Society of N. Y., St. Louis Society of Dental Science. Honorary member of the Kansas, Nebraska, Missouri and Colorado State Dental Societies. He is the author of "Lectures on General Anesthetics, in Dentistry," ex-editor of the Anesthetic Supplement of the "American Journal of Surgery." He is the inventor of several Nitrous Oxide and Somnoform Inhalers and accessory devices. ADDRESS: Flynn Bldg., Des Moines, Iowa.

FRANK ALEXANDER DELABARRE. Born in Conway, Massachusetts, April 8, 1868. Graduated from Amherst College in 1890 with the de-

gree of A. B.; Fellow of same 1890-1891. Attended Boston Dental College 1891-1892. Received the degree of D. D. S. from the Dental Department of the University of Pennsylvania in 1894. Graduated from the Medical Department of the University of Pennsylvania with the degree of M. D. in 1895. He was Assistant Professor of Orthodontia from 1907-1910, and Professor of Orthodontia since 1910 to the present time, at Tufts College Dental School, Boston, Mass. He was President of the American Academy of Dental Science in 1911. He is a member of the Massachusetts Dental Society, and of the Alpha Delta Phi and Delta Sigma Delta Fraternities.—ADDRESS: 520 Beacon St., Boston, Mass.

M. V. DEL VALLE. Born in San Juan, Porto Rico, January 22, 1871. Educated in the Institute Provincial de Segunda Ensenanza, San Juan, P. R. Graduated from the College of Dental Surgery, University of Michigan, in 1891 with the degree of D. D. S. He is Founder of the Porto Rico Dental Association and of the University of Michigan Alumni Association of Porto Rico. He is President of the Board of Dental Examiners of

Porto Rico since its creation in 1905. ADDRESS: San Juan, Porto Rico.

GEORGE WALTER DITTMAR. Born in Derinda Centre, Jo Daviess County, Illinois, April 1, 1872. Educated in the District School of Derinda and Philomath College, Philomath, Oregon. Graduated from the Northwestern University Dental School in 1898 with the degree of D. D. S. He is Professor of Prosthetic Dentistry in the College of Dentistry, University of Illinois. He was one of the Reorganization Committee of the Illinois State Dental Society. Member: National Dental Association, Illinois State Dental Society, Chicago Dental Society. Honorary member: Texas State Dental Association and numerous fraternities. —ADDRESS: 5 South Wabash Ave., Chicago, Ill.

JAMES FRANCIS DRAKE. Born in California. Received the degree of LL. B. from the University of Oregon, and graduated from the North-Pacific Dental College, 1905, with the degree of D. M. D. He is now Profesor of Metallurgy at the North-Pacific College, School of Dentistry, Portland, Oregon. Captain O. N. C. 33d

Hon. A. and A. S. Rite. ADDRESS: 420 Pittock Block, Portland, Oregon.

HAROLD VINCENT DRIVER. Born in Richmond, Province of Quebec, Canada, June 23, 1891. Attended St. Francis College at Richmond. Graduated from the Dental Department of McGill University in 1914 with the degree of D. S. Sc., and the degree of L. D. S. from the Province of Quebec. He is Demonstrator of Clinical Dentistry at the Montreal General Hospital, and Demonstrator of Operative Dentistry at McGill College University.—ADDRESS: 394 Victoria Ave., Westmount, P. Quebec, Canada.

THOMAS G. DUCKWORTH. Born in Siloam Springs, Arkansas, in 1888. Educated in the Siloam Springs High School. Graduated from the Cherokee National Male Seminary, Tahlequah, Oklahoma, in 1907 with the degree of A. B., and from the Kansas City Dental College in 1912 with the degree of D. D. S. Post-graduate course, Kansas City School of Orthodontia, 1912. He is Instructor in the Kansas City (Dewey) School of Orthodontia, Kansas City, Missouri, and Editor of

the "Practical Dental Journal." Member: National Dental Association, Missouri State Dental Society, Kansas City Dental Society, Texas State Dental Society, San Antonio Dental Society, Bexar County Dental Society.—ADDRESS: Gibbs Bldg., San Antonio, Texas.

ERNEST L. DUNN. Born October 10, 1882. Graduated from the Grinnell High School, Iowa, 1900. Received the degree of D. D. S. from the Northeastern Dental School in 1900. He was examiner and assigner of patients at the same school, 1908-1909. He was Secretary-Treasurer of the Chicago Alumni Assn. Xi Psi Phi Fraternity, 1913 and 1914.—ADDRESS: 14 South Fifth Ave., La Grange, Ill.

GEORGE F. EAMES. Born in Swanville, Maine, May 26, 1854, Educated in High School and Normal School. Graduated from the Philadelphia Dental College with the degree of D. D. S. and from the Jefferson Medical College, Philadelphia, with the degree of M. D. Honorary member Maine Dental Society; President Massachusetts Dental Society; President American Academy;

Chairman Section on Stomatology American Medical Association. Author of "Practice of Dental Medicine."—ADDRESS: 249 Newbury St., Boston, Mass.

MAX MAURICE EBLE. Born in Fulda, Indiana, April 12, 1868. Educated in Troy Public Schools and St. Mimrade College. Graduated from the Ohio College of Dental Surgery in 1890 with the degree of D. D. S. He is Professor of Dental Practice, Ethics and History in the Louisville College of Dentistry (Central University of Kentucky). Member: National Dental Association, Kentucky State Dental Society, Jefferson County Dental Society. ADDRESS: Starks Bldg., Louisville, Ky.

JOSEPH EISENSTAEDT. Born in Chicago, Illinois, in 1885. Educated in Chicago Grammar School (Douglas), and Blees Military Academy, Macon, Mo. Graduated from the Northwestern University, Dental School, in 1906 with the degree of D. D. S., and from the Medical School in 1909 with the degree of M. D. He was Professor of Histology in the Northwestern University

Dental School from 1913-1915. He is a member of the Chicago, Illinois State, and American Medical Associations. Author of a paper on "Treatment of Malocclusion, Class III, Prognathism, by Bilateral Resection of the Mandible," read before the Chicago Surgical Society, Englewood Dental Society, and Alumni Association of Northwestern University Dental School.—ADDRESS: 25 E. Washington St., Chicago. Ill.

SAMUEL T. ELLIOTT. Born in Sturgis, Michigan, July 26, 1861. Educated in the public schools and Michigan Agricultural College. Graduated from the Harvard University Dental School in 1901 with the degree of D. M. D.—He is Instructor in Operative Dentistry in the Harvard Dental School since 1901. Member of the Administrative Board of the Harvard Dental School since 1913.—Member: Harvard Odontological Society, Harvard Dental Alumni, American Academy of Dental Science.—ADDRESS: 220 Clarendon St., Boston, Mass.

KARL F. ESCHELMAN. Born in Toronto, Ontario, Canada, October 15, 1882. Educated in

the public and high schools of Buffalo, N. Y. Graduated from the University of Buffalo, Dental Department, in 1904 with the degree of D. D. S., and from the Medical Department in 1908 with the degree of M. D.—He is Professor of Anatomy in the Dental Department of the University of Buffalo, and Instructor in Medicine in the Medical Department. He is Consultant in Oral Surgery to the Buffalo General Hospital. In the general practice of medicine since 1908.—Member: American Medical Association, New York State Medical Association, Erie County Medical Society, and Academy of Medicine, Buffalo, N. Y. —ADDRESS: 22 Laurel St., Buffalo, N. Y.

MARIE BLANCHE FASSY. Born in New Orleans, Louisiana, in 1869. Educated in private and public schools. Graduated from the New Orleans College of Dentistry, Tulane University of Louisiana, with the degree of D. D. S.—She is Lecturer on Dental Anatomy, Oral Hygiene and Prophylaxis in the School of Dentistry, Tulane University of Louisiana. Dental Examiner in the New Orleans public schools. Visiting Dentist to the Charity Hospital of New Orleans. Charter

member of the New Orleans Dispensary for Women and Children, formerly in charge of the Dental Clinic of this institution. Member: First Congressional District Dental Society, Louisiana State Dental Society, Tulane University Dental Alumni Association.—ADDRESS: 2639 Le Page St., New Orleans, La.

LUTHER ASHLEY FAUGHT, Born in Atlanta, Georgia, in 1857. Educated in the Public Schools of Phiadelphia, and West Pennsylvania Square Academy. Graduated from the Philadelphia Dental College in 1877, receiving the degree of D. D. S.—He organized the first Dental Quiz in Philadelphia in 1878. Demonstrator of Physiology and Dental Histology and Curator of the museum at the Philadelphia Dental College in 1878. Delivered the first graded course on Microscopy and Dental Histology ever given in any dental college, at the Philadelphia Dental College in 1878. Elected Lecturer on Physiology in 1879. He is now Professor of Operative Dentistry and Dental Pathology and Therapeutics, Department of Dentistry, Medico-Chirurgical College of Philadelphia.—He was elected a member of the

Academy of Natural Sciences of Philadelphia in 1878, and Corresponding Secretary of the Biological and Microscopical Section in 1881-1883. Became a member of the Odontological Society in 1879, and its President in 1882 and 1883. Dentist at the Presbyterian Orphanage in 1883, and at the Hospital of the Good Shepherd, Radnor, in 1884. Honorary member of the Garetsonian Society, 1885; one of the organizers of the Philadelphia County Dental Society, 1886. Member of the Odontological Society of Pennsylvania, of the Pennsylvania Association of Dental Surgeons and of the Pennsylvania State Dental Society (President, 1890). Member of the Pennsylvania State Board of Dental Examiners (President 1896), and of the National Board of Dental Examiners (President, 1894). Member of the National Dental Association, Historical Society of Philadelphia, Geographical Society of Philadelphia, American Academy of Political and Social Science, Philadelphia Art Club, and Philadelphia Cricket Club. Corresponding member of the First District Dental Society of N. Y., 1891. Honorary member of the Alumni Association of the Baltimore College of Dental Surgery, 1892. Honorary member of the

Central Dental Association of Northern New Jersey. Associate member of the N. Y. Institute of Stomatology, 1898. Honorary member of the New Jersey State Dental Society. Honorary member of the Psi Omega Dental Fraternity. Honorary member of the Southern Dental Society of New Jersey. Honorary member of the North Philadelphia Association of Dental Surgeons. Honorary member of the Georgia State Dental Society. Member: Academy of Stomatology of Philadelphia, Franklin Institute of Philadelphia, Church Club of Philadelphia. Published a Compend of Physiology in 1881. Collaborator to Dental Department Annual Universal Medical Sciences, 1888. Large contribution to general Dental Literature. Inventor of an Electro Dental Heater.—ADDRESS: 1430 Spruce Street, Philadelphia, Pa.

MARK FLORUS FINLEY. Born on a farm in Washtenaw County, Michigan. He attended district school and the Ypsilanti High School. He graduated from the Michigan State Normal School classical course, in 1875. In 1878 he graduated from the College of Dental Surgery, University of Michigan, Ann Arbor, Mich. He was President of the National Dental Association in 1906. Ex-Pres-

ident of the Board of Dental Examiners of the District of Columbia. He is now Chief Clinical Director and Professor of Clinical Dentistry in the Dental Department of Georgetown University, Washington, D. C. He was a member of the Committee on Organization and Treasurer of the Fourth International Dental Congress, 1904; Treasurer of the Jamestown Dental Convention, 1907; Treasurer and President of the District of Columbia Dental Society; Secretary of the Michigan State Dental Association; President of the Washington Dental Club. He is a member of the Southern Branch of the National Dental Association, New York Odontological Society, District of Columbia Dental Society, and Washington Dental Club.—ADDRESS: 1928 I St., N. W., Washington, D. C.

WILLIAM CUMMINGS FISHER. Born in Washington, D. C., July 14, 1876. Graduated from the Washington High School, 1895. Received the degree of D. D. S. from the George Washington University, Dental Department, 1899. Dental Surgeon U. S. A. 1901-4. Vice Chairman of section on Stomatology of the American Medical Association.—ADDRESS: 373 Fifth Ave., New York, N. Y.

ADAM FLICKINGER. Born in St. Louis, Mo., 1847. Educated in the public and high schools. Rohvers Commercial College, 1863-1864; Homeopathic College of Missouri, 1866; Missouri Medical College (M. D.), 1867; St. Louis Dental College (original), 1869; Pennsylvania College of Dental Surgery (D. D. S.), 1872-1873; Post-Graduate Course at Heidelberg, 1873-1874. Actively interested in Floriculture and Golf. Inventor of a Silicate Cement.—ADDRESS: 1113 Pine St., St. Louis, Mo.

FREDERICK W. FRAHM. Born in Luebeck, Germany, October 19, 1875. Came to America at the age of four and a half years, located in Grundy Co., Iowa. Studied Pharmacy at the University of Iowa and practiced for 9 years. Graduated from the Dental Department of the State University of Iowa in 1904 with the degree of D. D. S. Practiced dentistry in Iowa till 1911 when he moved to Denver, Colorado, and entered on the teaching staff of the Colorado College of Dental Surgery. He is now Professor of Operative and Prosthetic Technics, Dental Anatomy and Physical Diagnosis. Clinical demonstrator in Anesthetics. Member:

Denver Dental Association, Colorado State Dental Society, and National Dental Association. Contributing Editor to "Items of Interest," Associate Editor "American Dentist," and frequent contributor to the current dental literature. At present time at work in the preparation of a book on Prosthetic Dentistry. Inventor of Frahm's Carving Instruments for wax and amalgam, Frahm's Root Extractor, Anatomical Articulator and Face-Bow, and an Anesthetic Apparatus for use of Somnoform and kindred agents. ADDRESS: 2504 Gilpin St., Denver, Colorado.

MANFRED S. FRASER. Born in Plainfield, Illinois, April 9, 1867. Graduate of Greeley High School, 1885, Greeley, Colorado. Received the degree of D. D. S. from the Chicago College of Dental Surgery in 1891. He is Professor of Dental Therapeutics in the Colorado College of Dental Surgery, University of Denver, since 1895. He was Secretary of the Colorado State Board of Dental Examiners, 1903-04. Member: Colorado State Dental Association, National Dental Association, Denver Dental Society, Delta Sigma Delta Fraternity.—ADDRESS: Mack Bldg., Denver, Colorado.

C. E. FRAZIER. Born in Springfield, Illinois, March 27, 1876. Educated in Public and High School of Austico (Chicago), Ill. Graduated from the Illinois School of Dentistry with the degree of D. D. S. (1899), and from the Ecl. Medical University with the degree of M. D. Post-graduate course in the University of Kentucky Medical College. Pharmacist, registered in Texas. He is Professor of Dental Pathology and Oral Hygiene in the Western Dental College, Kansas City, Mo. Associate Editor of the "American Dentist." Inventor of a Pocket Tooth Brush Sterilizer. Member: Missouri State Dental Association, National Dental Association, Kansas City Dental Society. ADDRESS: Grand Avenue Temple, Kansas City, Mo.

H. EDMUND FRIESELL. Born in Pittsburgh, Pa., November 10, 1873. Student at Western University of Pennsylvania (now University of Pittsburgh). Graduated from the Pennsylvania College of Dental Surgery in 1895 with the degree of D. D. S. Received the B. S. degree from the University of Pittsburgh in 1911. He was elected Dean of the Dental Department, University of Pittsburgh, and Professor of Operative Dentistry,

in 1903. He is Professor of Operative Dentistry and Dental Pathology, Western Reserve University Dental School, Cleveland, O., since 1906. Editor Operative Department "Dentist's Magazine"; Associate Editor "The Frater"; Dist. Editor "Dental Summary." He was President of the National Association of Dental Faculties, and of the National Institute of Dental Pedagogics; Vice-President of the Pennsylvania State Dental Society. He is Honorary Member of the Northern Dental Society. Member: Chicago Odontographic Dental Society, Illinois State Dental Society, National Dental Association, Odontological Society of Western Pennsylvania, Lake Erie Dental Association, Pittsburgh Dental Society, American Medical Association, Archæological Institute of America, National Geographical Society, Psi Omega (Supreme Councilor). Extensive contributor on dental subjects; also writer on history, and public speaker.—ADDRESS: 2450 E. 9th St., Cleveland, Ohio.

CARROLL H. FRINK. Born in Jasper, Florida, September 6, 1874. Educated in the public schools of Jasper and the University of Florida. In 1891 he was elected Professor of Algebra and

Telegraphy in the Jasper Normal Institute, and served in that capacity for a year. Prior to this he was employed as telegraph operator. While serving for the Georgia Southern and Florida Railway, an attempt was made upon his life by negro robbers, and he was shot and seriously wounded. After recovering he again entered the railway service for a short time. Two years later he entered the Baltimore College of Dental Surgery and was graduated in 1895 with the degree of D. D. S., receiving second honorable mention. He began his practice at St. Paul, Minnesota, as assistant to Dr. Geo. O. Lawton, and later removed to Fernandina, Florida, practicing until December 1908, when he again removed to Jacksonville Florida, where he is at present actively engaged in his profession. In 1908 he completed the summer course in "Anatomy and Surgery of the Antrum" at the Harvard Medical School. He is ex-President of the Florida State Dental Association and ex-Recording and Corresponding Secretary of the Southern Branch, National Dental Association. Charter member National Dental Association; Honorary member, Xi Psi Phi Fraternity; Delta Chapter member, Jacksonville Society of Dental Surgeons. He is the

author of several essays and papers, among them being: "Infiltration Anesthesia in Dentistry," "Surgery of the Mouth and Jaws," "Original Pyro-Dental Technic," "Ethical Within the Law," "Public Good vs. Ethical Prudery," "Near Ethics," "Artificial Method of Casting Gold Inlays," "Pyorrhea Pot-Pourri," and several other shorter contributions to dental literature. He has been credited as the discoverer of the vacuum system of dental casting, having described his method before the National Dental Association at its meeting in Minneapolis, June 30, 1907. Another invention for which he has secured a patent is an apparatus for the administration of nitrous oxide and oxygen whereby the condition of the pulse and respiration directly control the admixture of the two gases. His recent novelty in operative dentistry is the direct fusing in the tooth cavities of porcelain, gold and other metallic fillings. This is done by means of a small instrument resembling an eye cautery.—ADDRESS: Masonic Temple, Jacksonville, Florida.

OTTO J. FRUTH. Born in St. Louis, Missouri, July 7, 1874. Educated in the St. Louis

public schools and Manual Training School. Graduated from the Missouri Dental College, Washington University, in 1897 with the degree of D. M. D., and from the St. Louis Medical College, Washington, in 1898 with the degree of M. D. He is Professor of Porcelain Dental Art, and Treasurer, Barnes Dental College (National University). Ex-President: Society of Dental Science, St. Louis Dental Society, Missouri State Dental Association. Member: National Dental Association, American Institute of Dental Teachers, National Association of Dental Faculties. Author of a number of papers on various dental subjects. —ADDRESS: 3060 Hawthorne Boulevard, St. Louis, Mo.

ALBERT HOMER FULLER. Born in Sandisfield, Massachusetts, October 14, 1841. He attended the Castleton Seminary, Castleton, Vt., Troy Conference Academy, Poultney, Vt.; and Granville Academy, North Granville, N. Y. Following this he taught school until 1862. The Civil War breaking out, he enlisted and served until its close with the 118th Illinois Infantry, taking part in the siege of Vicksburg and other operations under Sherman and Grant, retiring as Second Lieutenant of

Company E. After the close of the war he came to St. Louis and entered the office of his uncle, Dr. Homer Judd, as a student of medicine and dentistry. He attended lectures at the St. Louis Medical College, from which he received the M. D. degree in 1871, and the D. D. S. degree from the Missouri Dental College in 1871, and practiced continuously for forty years in the City of St. Louis, until 1909, when he retired. His greatest work was done as a teacher in the Missouri Dental College. Immediately following his graduation he was appointed Demonstrator of Surgical and Operative Dentistry. In 1874 he was elected Professor of Mechanical Dentistry, and in 1879 Professor of Operative Dentistry. This chair he filled continuously until 1901, when he resigned and was made Emeritus Professor of Operative Dentistry. In 1873 he was elected Secretary of the Faculty and continued in this capacity until 1899. At the death of Dr. H. H. Mudd he succeeded to the office of Dean, serving as such until 1901, when he resigned from the faculty. He was President of the Missouri State Dental Association in 1878-79, and President of the St. Louis Dental Society in 1878. He was one of the organizers and first President of the St. Louis Society of Dental Science, 1900; Treas-

urer American Dental Association, 1887 to 1898; Corresponding Member Illinois State Dental Society; Honorary Member, Iowa State Dental Society, and member National Dental Association. He has written many papers on various subjects read before dental societies and published in the professional periodicals. He was the inventor of the flexible wrist now found on cable dental engines. ADDRESS: 4004 Delmar Blvd., St. Louis, Mo.

I. LESTER FURNAS. Born in Lynn, Randolph County, Indiana, September 13, 1888. Educated in grammar schools, High School and Central Normal College. Graduated from the Indiana Dental College in 1910 with the degree of D. D. S. He is Professor of Prosthetic Dentistry, Prosthetic Technic, and Casting at the Indiana Dental College. Member: National Dental Association, Indiana State Dental Association, Indianapolis Dental Society, Northern Indiana Dental Society, Randolph Dark County Dental Society.—ADDRESS: 5503 E. Washington St., Indianapolis, Indiana.

DONALD MACKAY GALLIE. Born in Oakville, Ontario, Canada, May 8, 1866. Educated in the Canadian Collegiate Institute. Graduated from

the Chicago College of Dental Surgery in 1891 with the degree of D. D. S. He is Professor of Operative Dentistry in the College of Dentistry, University of Illinois. Supreme Grand Master of the Delta Sigma Delta Dental Fraternity. Treasurer of the Dental Protective Association of the United States. Ex-President: Chicago Odontographic Society, Chicago Dental Society, Illinois State Dental Society, Institute of Dental Pedagogics, and National Dental Association. Member: Chicago Dental Society, Illinois State Dental Society, National Dental Association, Delta Sigma Delta Fraternity. Author of several essays and addresses.—ADDRESS: 32 North State St., Chicago, Ill.

JOSEPH ARCHIBALD GARDNER. Born in Texas, June 29, 1879. Educated in public and high schools. Graduated from the Northwestern University Dental School in 1903, with the degree of D. D. S. He is Dean and Professor of Crown and Bridgework in the University of Tennessee College of Dentistry. Superintendent of the Prosthetic Clinic. Member of National, State and Local Dental Societies. Inventor of the Gardner Replaceable Tooth, and a Casting Machine.—ADDRESS: Memphis Trust Bldg., Memphis, Tenn.

JOHN L. GARRETSON. Born in Buffalo, N. Y., June 16, 1885. Educated in public school, Underwood School, and Lafayette High School. Graduated from the Dental Department of the University of Buffalo with the degree of D. D. S. He is Lecturer on Dental and Comparative Anatomy and Instructor in Operative Technics in the University of Buffalo. He is a member of the Eighth District Dental Society, New York State Dental Society and National Dental Association.—ADDRESS: 481 Elmwood Ave., Buffalo, N. Y.

DAVID GENESE. Born in London, England, in 1848. Educated in the public schools. He was an articled pupil for three years and assistant for two years to a practicing surgeon in London. He was graduated from the Pennsylvania College of Dental Surgery in 1876 with the degree of D. D. S. For several years he was Assistant Professor of Prosthetic Dentistry in the Dental Department of the University of Maryland. He was one of the drafters of the State Dental Law of Maryland. He was First President of the Maryland Dental Society. He is a member of the International Medical Society and clinician to several dental hos-

pitals. He is the author of a number of essays in dental journals and the inventor of thirty-four granted patents on dental, chemical and musical instruments, processes or mechanical devices. ADDRESS: 621 N. Calhoun St., Harlem Park, Baltimore, Md.

WILLIAM H. GENSLEY. Born in Ohio in 1864. Educated in the Public Schools. Graduated with the degree of D. D. S., from the Cincinnati College of Dental Surgery in 1895. He is now Professor of Chemistry and Metallurgy, and Secretary of the Faculty, of the Cincinnati College of Dental Surgery. He is a frequent contributor to dental journals and has read a number of papers before dental societies. ADDRESS: Glenn Bldg., S. W., Cor. Fifth and Race Sts., Cincinnati, Ohio.

WILLIAM A. GIFFEN. Born in Mayfield, Ontario, Canada, April 21, 1866. Educated in the public schools of Ontario. Graduated from the Ontario College of Veterinary Medicine in 1887 with the degree of D. V. S., and from the Dental Department of the Detroit College of Medicine in 1901, with the degree of D. D. S.. He was a mem-

ber of the Faculty of the Dental Department, Detriot College of Medicine, from 1905 to 1910. He organized free Dental Clinics at Detroit in 1909. He is Honorary member of the Ontario Veterinary Medical Association and of the Michigan State Veterinary Medical Association. Ex-President Michigan State Dental Society, 1903; Ex-President First District Dental Society, Detroit, 1908; Ex- Supreme Grand Master Detroit Chapter Delta Sigma, Delta Fraternity; Third Vice-President National Dental Association, 1915. Past Worshipful Master of Corinthian Lodge F. and A. M., 1913. Member of Michigan Soverign Consistory and Moslem Temple of the Mystic Shrine. Author of numerous papers on Prosthetic Dentistry. He was the first dentist to use motion pictures for demonstrating operative technique. ADDRESS: 255 Woodward Ave., Washington Arcade Bldg., Detroit, Mich.

S. ELDRED GILBERT. Born in Colesville, Broome Co., N. Y., October 12, 1852. Educated in High School and Commercial College. Graduated from the Philadelphia Dental College in 1880, with the degree of D. D. S. Formerly instructor

at the Philadelphia Dental College. Manufacturer of Gilbert's Dental Specialties. Author of "Vulcanite and Celluloid." ADDRESS: 1627 Columbia Ave., Philadelphia, Pa.

THOMAS LEWIS GILMER. Born in Lincoln County, Missouri, in 1849. Educated in High School and Woodhul Academy, Illinois. Graduated from the Missouri Dental College (Washington University), with the degree of D. D. S., 1882, and Quincy College of Medicine, Quincy, Ill., with the degree of M. D., 1885. He received the degree of Doctor of Science from the Northwestern University, Chicago, 1911. He is Professor of Oral Surgery in the Northwestern University Dental School. Oral Surgeon to St. Luke's Hospital, Chicago. Member: American Medical Association, Illinois State Medical Society, Chicago Medical Society, Chicago Pathological Society, Chicago Dental Society. Fellow of the American College of Surgeons and of the Chicago Institute of Medicine. ADDRESS: 122 South Michigan Ave., Chicago, Ill.

HENRY S. GODFREY. Born in Faribault, Minnesota. Educated in Faribault High School. Graduated from the College of Dentistry, University of Minnesota, in 1897 with the degree of D. M. D. He is Professor of Operative Dentistry in the University of Minnesota. Member: National Dental Association, Minnesota State Dental Association, Minneapolis Dental Society. ADDRESS: 1766 Girard Ave., S., Minneapolis, Minnesota.

HERBERT F. GORGAS. Born in Baltimore, Md., November 21, 1870. Graduated from the Baltimore Polytechnic Institute, 1877. Received the degree of D. D. S., from the University of Maryland, Dental Department, 1891. Member of the Dental Staff of Johns Hopkins Hospital, Baltimore. Member: National Dental Association, Maryland State Dental Association. ADDRESS: The Buckler, Charles and Centre Sts., Baltimore, Maryland.

FRANK A. GOUGH. Born at North East, Erie County, Pennsylvania, June 28, 1872. Educated in the North East High School. Graduated from the New York Dental School in 1894 with

the degree of Bachelor of Dental Surgery, which degree was recalled by the Regents two years later and the degree of D. D. S. conferred in its stead. He also received the degree of D. D . S. from the Dental Department of the University of Buffalo in 1897. He took a post-graduate course at the Angle School of Orthodontia in 1900. He was Lecturer on Orthodontia in the Buffalo Dental College. First President of the Eastern Association of Graduates of the Angle School of Orthodontia, and ex-President of the Alumni Society of the Angle School of Orthodontia; ex-President of the New York Alumni Society of the Bufflo Dental College. Member: Brooklyn Dental Society, Second District Dental Society, New York State Dental Society, National Dental Association, Crescent Athletic Club of Brooklyn, Hempstead Harbour Yacht Club, Automobile Club of America, Masons and Oddfellows. Author of numerous papers read before Medical, Dental and Orthodontic Societies. Inventor of the Detachable Buccal Tube.—ADDRESS: 184 Joralemon St., Brooklyn, N. Y.

WILLIAM E. GRANT. Born in Petersburg, Kentucky, August 18, 1872. Educated in the Pub-

lic and High Schools and Kentucky University. Graduated from the Central University of Kentucky, College of Dentistry, in 1894 with the degree of D. D. S., and from the Hospital College of Medicine, Central University of Kentucky, in 1897, with the degree of M. D. He is Dean and Professor of Orthodontia and Surgery in the Louisville College of Dentistry, Central University of Kentucky. Member of Local, State, and National Dental Societies. ADDRESS: Starks Bldg., Louisville, Kentucky.

LEO GREENBAUM. Born in Arva, Austria, October 9, 1858. Received his early education in the Realschulen of Vienna. Graduated from the Philadelphia Dental College in 1881, receiving the degree of D. D. S. In 1888 he was graduated from the Medico-Chirurgical College of Philadelphia, receiving the degree of M. D. He held the following positions at the Philadelphia Dental College: Demonstrator of Materia Medica and Chemistry 1881-1895; Lecturer on Materia Medica 1895-1896; Professor of Materia Medica and Anaesthesia 1896-1905; Assistant Dean 1905-1906; Dean

1906-1909. He is now in practice in New York City since 1909. Member: National Dental Association, Pennsylvania State Dental Society, New York State Dental Society, First District Dental Society of New York, Institute of Stomatology of New York. Author: "Practice of Dentistry," 1912. Editor and Publisher of the "Stomatologist" 1897-1909. ADDRESS: 741 Fifth Avenue., New York, N. Y.

MAX GREENBAUM. Born in Austria, February 28, 1868. Received the degree of D. D. S. from the Philadelphia Dental College in 1890. He is joint author with Leo Greenbaum of "Practice of Dentistry," 1912. ADDRESS: 1524 Chestnut Street, Philadelphia, Pennsylvania.

E. J. GREENFIELD. Born October 19, 1875. Educated in high school. Graduated from the Chicago College of Dental Surgery in 1899 with the degree of D. D. S. He is the inventor of an artificial root. He has given clinics in many States and has read numerous papers.—ADDRESS: Schweiter Bldg., Wichita, Kansas.

SAMUEL GREIF. Born in Austria, June 20, 1890. Educated in the Realschulen of Austria, public school and high school of New York City. Brought to the United States in 1899. Graduated from the College of Dental and Oral Surgery of New York in 1914 with the degree of D. D. S. Received the degree of A. B. from the McKinley University in 1915. Published his first article at the age of fourteen. Editor of the "*Jugendklangen*," 1909. Founder and Editor-in-Chief of "The Acorn" (College of Dental and Oral Surgery), 1913. Author of "Dentistry in the Talmud," "Who's Who in Dentistry," and numerous short stories. Contributor to current dental literature. Inventor of a "Device for Writing the Oriental Languages on Occidental Typewriting Machines and vice versa." ADDRESS: 246 New Lots Road, Brooklyn, N. Y.

CHARLES A. GRIFFITH. Born in Hector, Minnesota, March 5, 1884. Educated in Hector High School and the University of Minnesota, two years of Science, Literature and Art, 1902-1905. Graduated from the Dental Department of the University of Minnesota in 1907, with the degree of

D. D. S. He is Superintendent of the Dental Infirmary and Associate Professor of Oral Surgery in the University of Minnesota, College of Dentistry. He is a member of the Delta Sigma Delta Fraternity, A. F. and A. M. ADDRESS: 1090 15th Ave., S. E., Minneapolis, Minn.

GEORGE A. GRUBB. Born in Pawnee County, Nebraska, February 18, 1880. Educated in Pawnee City High School and Nebraska University. Graduated from the Lincoln Dental College in 1912 with the degree of D. D. S. He is Professor of Dental Histology in the Lincoln Dental College, Assistant Editor of the "Nebraska Dental Journal." Member: Lincoln District Dental Society, Nebraska State Dental Society, National Dental Association.—ADDRESS: Security National Life Bldg., Lincoln, Nebraska.

SIMEON HAYDEN GUILFORD. Born in Lebanon, Pennsylvania, April 11, 1841. Graduated from Franklin and Marshall College with the degree of A. B. in 1861; A. M. 1864; Ph. D. 1887. Received the degree of D. D. S. from the Pennsylvania College of Dental Surgery in 1865, (Honor-

ary D. D. S. from the Philadelphia Dental College in 1884). He served in Private Co. E, 127th Pa. Volunteers, 1862-3; engaged in Battle of Fredericksburg and Chancellorsville. He became Professor of Operative and Prosthetic Dentistry and Orthodontia at the Philadelphia Dental College in 1881; Dean 1895-1905. Since 1908 he is Dean and Professor of Operative Dentistry, Prosthetic Dentistry and Orthodontia at the Philadelphia Dental College (Temple University). He is Fellow of the American Academy of Dental Science; Honorary Member of several dental societies in Europe and America. Member of Phi Beta Kappa. He is the author of "Nitrous Oxide," 1887; "Orthodontia," 1889, 1893, 1898, 1905. He wrote the chapters on Orthodontia, Anomalies of the Teeth and Maxillae, and Hypercementosis in the "American System of Dentistry," 1886; and the chapter on Preparation of Cavities and Contour Filling, in the "American Text-Book of Operative Dentistry," 1900, 1905.—ADDRESS: 124 S. 18th St., Philadelphia, Pa.

PHILIP S. HALEY. Born in Newark, California, August 16, 1884. Educated in public school and high school. Graduated from the Col-

lege of Physicians and Surgeons of San Francisco with the degree of Ph. C. in 1909, and with the degree of D. D. S. in 1914. He is Lecturer on Biology and Embryology in the College of Physicians and Surgeons of San Francisco. He is Treasurer of the Alumni Association of the College of Physicians and Surgeons.—ADDRESS: 1768a Union St., San Francisco, California.

LOUIS P. HALL. Born in Toledo, Ohio, June 1, 1860. Educated in Ward and High School of Ann Arbor, Michigan. Attended Literary Department of the University of Michigan, 1879-80. Graduated from the College of Dental Surgery, University of Michigan, in 1889 with the degree of D. D. S. He has been teaching Operative Dentistry since 1889. He is Professor of Clinical and Operative Dentistry in the College of Dental Surgery, University of Michigan. Member: First District Dental Society, Michigan State Dental Society, National Dental Association, Delta Sigma Delta Fraternity.—ADDRESS: 1530 Hill St., Ann Arbor, Mich.

CALVIN W. HARNED. Born in Bement, Illinois, October 26, 1879. Educated in Sullivan High School. Graduated from the Iowa State University Dental Department in 1903 with the degree of D. D. S., and from the Medical Department in 1906 and with the degree of M. D. He was Demonstrator in the State University at Iowa City for eight years. He is Fellow of the American College of Surgeons. Member: Iowa State Medical Association, Iowa State Dental Association, National Dental Association, Polk Co. Medical Society, Missouri Valley Medical Society, American Medical Association, Tri-State Medical Society, Des Moines Pathological Society. —ADDRESS: 5th, Cor. Walnut Sts., Des Moines, Iowa.

JOHN GEDDES HARPER. Born in Crawford County, Ohio, April 18, 1848. Educated in the common schools of Illinois and Minnesota, later at the State University of Minnesota. Following this he taught school and clerked. He began the study of dentistry in 1873 under a preceptor, and in 1874 entered the Missouri Dental College, from which he graduated in 1877. He also attended the

St. Louis Medical College two years of a three year's course. He is the inventor of a rubber dam weight and contributed a number of papers to the dental journals. He was associate editor of "The Archives of Dentistry" from 1884 to 1890, and editor of same for 1891. He was President of the Missouri State Dental Association in 1880, Corresponding Secretary in 1881, and Recording Secretary for five years. He was President of the St. Louis Dental Society 1883, 1890, 1898, and Recording Secretary 1876-1881. He was President of the Missouri College Alumni Association.—ADDRESS: 313 N. 9th St., St. Louis, Mo.

HENRY L. HARRIS. Born in New York City, May 8, 1888. Educated in grammar and high schools. Graduated from the College of Physicians and Surgeons of San Francisco in 1912 with the degree of D. D. S. He is Lecturer on Crown and Bridge Work in the Dental Department of the College of Physicians and Surgeons. He is Secretary of the Solano and Napa Counties Dental Societies. Member of the California State and National Dental Associations. ADDRESS: Netherlands Bldg., Vallejo, California.

LEON HARRIS. Born in Roumania, June 5, 1885. Educated in Brooklyn Boys' High School 1900-1904. Graduated from Cornell University Medical College in 1908 with the degree of M. D., and from the New York College of Dentistry in 1912 with the degree of D. D. S. He is Assistant Oral Surgeon to the Post-Graduate Medical School and Hospital, N. Y. Editor "The Dental Outlook," N. Y. Member: Kings County Dental Society.—ADDRESS: 236 Carroll St., Brooklyn, N. Y.

MARY V. HARTZELL. Born in Scbring, Ohio, December 24, 1869. Educated in high school and partial collegiate course. Graduated from the Dental Department of the University of Minnesota in 1893, with the degree of D. M. D. She is Instructor in the Pyorrhea Clinic of the University of Minnesota. Member: Minnesota State Dental Association, Minneapolis District Dental Society and Northern Ohio Dental Society. ADDRESS: 1224 Mary Place, Minneapolis, Minnesota.

CLYDE H. HEBBLE. Born in St. Mary's, Auglaize County, Ohio, May 12, 1883. Educated in the Grade School, High School, and College of

Dentistry, Ohio State University, receiving the degree of D. D. S. He is Superintendent of the Operative Clinic, and Instructor of Operative Technics in the College of Dentistry, Ohio State University. Chairman of the Commission on Operative Technics, American Institute of Dental Teachers. Vice-President Columbus Dental Society. Treasurer, Local Committee, Scientific Foundation for Dental Research, National Dental Association.—ADDRESS: 830 South High Street, Columbus, Ohio.

JOSEPH PATRICK HENAHAN. Born in Ireland. Educated in parochial and public schools and at St. Ignatius College. Graduated from the Western Reserve Dental College, Cleveland, Ohio, in 1901 with the degree of D. D. S. He is Chief of the Dental Staff at Lakeside Hospital, and Lecturer on Anesthesia, Extracting and Radiography at the Western Reserve University, Dental School. —Member: Cleveland Dental Society, Ohio State Dental Society, Northern Ohio Dental Society, National Dental Association, First District Dental Society of N. Y., National Association of Anesthetists, Lake Erie Dental Society. He is the inventor of special root elevators and forceps.—ADDRESS: Rose Bldg., Cleveland, Ohio.

ROBERT S. HENRY. Born at Elk Ridge, Howard County, Maryland, August 20, 1869. Educated in the public schools of Reistertown, Maryland. Received the degree of D. D. S. from the Baltimore College of Dental Surgery in 1891. He is ex-President of the Chattanooga Dental Society, and of the Tennessee Board of Dental Examiners. Member of the Tennessee Board of Dental Examiners. Member: National Dental Association, Tennessee Dental Association; represented the Tennessee Dental Association and the Tennessee Board of Dental Examiners at the National Dental Association meeting at Rochester in 1914, and at San Francisco in 1915. He is author of Henry's Appointment Register Day Book, and Henry's Dental Register.—ADDRESS: 1115 James Building, Chattanooga, Tennessee.

FREDERIC R. HENSHAW. Born at Alexandria, Indiana, October 8, 1872. Educated in common schools, Anderson High School, and Central Normal College. School teacher. Received the degree of D. D. S. from the Indiana Dental College in 1879. He was Secretary of the Indiana Dental Society, 1899-1900; Secretary of the Indiana State

Board of Dental Examiners from 1900 to 1914. He is now Dean of the Indiana Dental College, Indianapolis. Author of papers and essays for various journals. —ADDRESS: 507-509 Pythian Bldg., Indianapolis, Indiana.

JOHN G. HILDEBRAND. Born in Johnstown, Pennsylvania, February 7, 1869. Educated in the public schools of Waterloo, Iowa. Graduated from the Iowa State University Dental Department in 1890 with the degree of D. D. S. President of the Iowa State Dental Society. Secretary of the Oral Hygiene Committee for Iowa. Honorary member of the South Dakota Dental Society. Member: Iowa State, Waterloo District, Waterloo City, and National Dental Societies. Knight Templar, Shriner and Elk.—ADDRESS: Syndicate Bldg., Waterloo, Iowa.

DE LOS L. HILL. Born in Atlanta, Georgia, May 14, 1874. Educated in the Atlanta public schools and Georgia School of Technology. Graduated from the Atlanta Dental College in 1903 with the degree of D. D. S. He is Professor of Physiology and Histology in the Southern Dental

College, Atlanta, Georgia. Ex-President of the Georgia State Dental Association, Ex-President and Charter Member of the Atlanta Society of Dental Surgeons, Treasurer same, Past Grand Master Tau Chapter Psi Omega Fraternity, Organizer Gamma Iota Chapter same, Organizer and First Grand Master Atlanta Alumni Chapter same. Member: National Dental Association. Honorary Member: North Carolina, South Carolina, and Alabama State Dental Societies.—ADDRESS: Grant Bldg., Atlanta, Georgia.

THERON SYLVESTER HITCHCOCK. Born in Northampton, Massachusetts, July 22, 1830. He began the study of dentistry in 1859, later buying the practice of his preceptor. He has traveled extensively, practicing dentistry everywhere, and characterizes himself as a "dental tramp," having enjoyed forty years of wanderings. Born with a love of nature and art, he lived in camp part of the time, and gathered many curios and relics of by-gone ages. A collection of 50 pieces of the stone age which he collected is now in the museum of Cornell University. Besides his hobby of collections he has put in his leisure time in carving

on horns. They have taken years of patient work. On them he carves historical and alligorical scenes. This is slow and tedious work, though much of it he does with his dental engine.—ADDRESS: 159 E. 6th St., Oswego, N. Y.

NELVILLE SOULE HOFF. Born in Elizabeth, West Virginia, July 20, 1854. He graduated from High School at Pomeroy, Ohio, in 1873. He received the D. D. S. degree from the Ohio College of Dental Surgery, Cincinnati, in 1876. He began instruction at the Dental Department of the University of Michigan in 1888, and is now Dean and Professor of Prosthetic Dentistry at the College of Dental Surgery, University of Michigan. He is a member of the American Dental Association, National Dental Association, Michigan State Dental Society, American Society of Orthodontists, Northern Ohio Dental Association, Institute of Dental Pedagogics, and Delta Sigma Delta. He became Editor of the "Dental Register" in 1900. He is an extensive contributor to dental publications. ADDRESS: 1905 Cambridge Road, Ann Arbor, Michigan.

RUDOLPH H. HOFHEINZ. Born in Heidelberg, Germany, October 21, 1856. Educated in the Gymnasium at Heidelberg, and private schools at Rochester, N. Y. Graduated from the New York College of Dentistry in 1879 with the degree of D. D. S., receiving a gold medal. He was Demonstrator of Operative Dentistry in the New York College of Dentistry. Professor of Operative Dentistry, now Emeritus, in the Dental Department of the University of Buffalo. He was twice President of the New York State Dental Society, twice President of the Seventh District Dental Society, and twice President of the Rochester Dental Society. He is the author of numerous articles printed in the "Dental Cosmos" and "Items of Interest."—ADDRESS: Chamber of Commerce Bldg., Rochester, N. Y.

J. A. C. HOGGAN. Born in Brantford, Ontario, Canada, 1878. Educated at the Trinity College of Toronto. Graduated from the Royal College of Dental Surgeons of Toronto, Canada, 1901, receiving the degree of D. D. S. Graduated from the Angle School of Orthodontia in 1907. Professor of Orthodontia in the University College of

Medicine, and Medical College of Virginia, before their amalgamation, and at present holds the chair of orthodontia in the Medical College of Virginia. Dean of the School of Dentistry, Medical College of Virginia, 1915. President of the Hamilton Dental Society, Hamilton, Canada, 1908-1909. President of the Ontario Dental Association, 1912. Chairman of the Executive Committee of the Canadian Dental Association, 1912. Practice confined to orthodontia exclusively for the past 8 years. Contributor to dental journals and Contributing Editor to "Oral Health."—ADDRESS: 114 North Fifth ave., Richmond, Va.

MILLARD C. HOLBROOK. Born in Portland, Oregon, in 1876. Graduated from the Philadelphia Dental College in 1900 with the degree of D. D. S. President Portland Dental Society; ex-President Oregon State Dental Society. Member of Psi Omega Dental Fraternity.—ADDRESS: Morgan Bldg., Portland, Oregon.

HARRY A. HOLDER. Born in Sumner Co., Tennessee, October 13, 1879. Educated in the public schools of Gallatin, Tenn., and Male Semi-

nary of Gallatin. Graduated from the College of Dentistry, Vanderbilt University, Nashville, Tenn., in 1901, with the degree of D. D. S. He was Demonstrator of Crown and Bridge Work at the College of Dentistry, Vanderbilt University, 1902-1903. Professor of Crown and Bridge Work and Dental Anatomy, 1905-1911. Professor of Dental Histology and Embryology from 1911 to present day. President of the Tennessee State Dental Association, 1911. Honorary Member of the Nashville Dental Society and the Mississippi Dental Association. Member: National Dental Association, Tennessee Dental Association, Delta Sigma Delta Fraternity.—ADDRESS: Gallatin, Tennessee.

CHARLES L. HUNGERFORD. Born in St. Louis, Missouri. Educated in public, scientific and high schools. Graduated from the Missouri Dental College in 1880 with the degree of D. D. S. He is Emeritus Professor of Operative Dentistry in the Kansas City Dental College for twenty-five years. Lecturer on Dental Electricity. Member: Missouri State Dental Society, Kansas City Dental Society, National Dental Association, New York Odontological Society.—ADDRESS: Reliance Bldg., Kansas City, Mo.

GLEN HOWARD HUNT. Born in Wilsonville, Nebraska, September 29, 1893. Educated in Wilsonville High School and University of Nebraska. Graduated from the Lincoln Dental College with the degree of D. D. S. Demonstrator of Technics in Lincoln Dental College.—ADDRESS: Lincoln Dental College, Lincoln, Nebr.

T. J. ICE. Born in Mound Valley, Kansas. Received a High School education. Graduated from the Western Dental College, Kansas City, Mo., in 1906, receiving the degree of D. D. S. He is Lecturer on Operative Dentistry at the Western Dental College. Dental Surgeon to the Florence Cultenton Home, Kansas City, Mo. Member of City, State and National Dental Societies.—ADDRESS: 36th and Prospect Sts., Kansas City, Mo.

ALPHONSO IRWIN. Born in Williamstown, N. J., April 3, 1859. Educated at the Mt. Holly Institute, Pennington Seminary; and the Philadelphia Dental College (D. D. S., 1879). Ex-President Southern Dental Society of N. J. Member of the New Jersey State Board of Registration and Examination in Dentistry for the last 10 years;

Secretary-Treasurer for two years. Member: National Association of Dental Examiners, National Dental Association, New Jersey State Dental Society, Southern Dental Society. American Medical Association, Alumni Society of Philadelphia Dental College, (Ex-Pres.). Charter member and one of the founders of Calvary Presbyterian Church; Trustee 10 years; Treasurer 7 years; Treasurer of Sunday School 7 years. Temperance advocate, worker and writer. Author: "History of the New Jersey State Dental Society," "Dental Laws Condensed" (4 editions). Contributor to dailies, magazines, and dental periodicals. ADDRESS: 425 Cooper St., Camden, N. J.

ADDIEL M. JACKSON. Born near Barnesville, Georgia, July 3, 1866. Educated in the Grammar Schools of the County. Graduated from the Dental Department of the Southern Medical College, Atlanta, Ga., 1892, receiving the degree of D. D. S. Graduated from Haskell Post-Graduate Dental College, Chicago, 1909. Served two terms on City Council of Milledgeville, Ga.; one term as Mayor pro tem. Post Master in Masonic Order; Knight Templar and Noble of the Mystic Shrine.

President Georgia State Dental Society 1903-1904. Clinician before State and National Dental Societies. Declined offer of position on Faculty of Atlanta Dental College in 1911, when preparing to move from Macon, Ga., to Miami, Fla. Member: National Dental Association, Florida State Dental Society: Honorary Member: Atlanta Dental Society, Macon Dental Society, and Georgia State Dental Society. Charter member and President of the Miami Dental Society. Delegate: Fourth International Dental Congress; Jamestown Dental Convention, State Chairman of Clinics for the latter. Ex-President of the Association for enforcing Georgia Dental Laws. Contributor to dental periodicals. Has read a number of papers before dental societies. Inventor of a cooling attachment for dental impression trays; of a chip blower for compressed air, attachment to be on the engine handpiece; and of dental scalers.—ADDRESS: 217 Twelfth St., Miami, Florida.

CHARLES N. JOHNSON. Born in Ontario Co., Canada, March 16, 1860. Received his preliminary education at Port Perry High Schools. Holds the following degrees: L. D. S., Ontario:

D. D. S., Chicago College of Dental Surgery, 1885; M. A., Lake Forest University. He is Dean of Students and Professor of Operative Dentistry at the Chicago College of Dental Surgery. Editor of the "Dental Review." Author of: "Principles and Practice of Filling Teeth," "Success in Dental Practice," "Operative Dentistry." Wrote several novels and many short stories. Also book of poems. ADDRESS: 22 East Washington St., Chicago, Ill.

H. HERBERT JOHNSON. Born near Elko, Houston County, Georgia, November 11, 1861. Educated in the Public Schools of Houston County and High School of Hawkinsville, Ga. Graduated from the Baltimore College of Dental Surgery in 1886 with the degree of D. D. S. He is Professor of Prosthetic Dentistry, Porcelain and Metallurgy in the Southern Dental College of Atlanta since 1898. He was a member of the Georgia State Board of Dental Examiners from 1893 to 1898. He is Honorary Member of the South Carolina State Dental Society, Alabama State Dental Society, Mississippi State Dental Society, North Carolina State Dental Society, South Dakota State Dental Society, Psi Omega Dental Fraternity and

Atlanta Society of Dentists. Member of the Medical Staff of the Macon (Ga.) Hospital Association. Director in the Commercial and Savings Bank in Macon since 1898. Member of the Masonic Fraternities, a Knight Templar and a Shriner, a Past Master, Past High Priest and Past Eminent Commander. First Vice-President of the Odontological Society of Atlanta, 1890. President of the Georgia State Dental Society, 1901 and 1902. President of the National Dental Association, Southern Branch, 1901-1902. Member of the Committee on Conference of the State of Georgia and of the Committee on Essays, of the World's Dental Congress, Chicago, 1893. Chairman of the Committee on State and Local Organization for the State of Georgia of the Fourth International Dental Congress, St. Louis, 1894. Member of the Committee on Essays from Georgia of the Lewis and Clark Dental Congress, Portland, Oregon, 1905. Member of the Committee on Organization and Membership of Georgia, for the Panama Pacific Dental Congress, 1915. The degree of "Honorable Fellow" was conferred on him by the Georgia State Dental Society in 1912. He was Vice-President of the National Dental Association in

1913. President of the Macon (Ga.) Dental Society, 1915. Journal Editor of the Georgia State Dental Society for twenty years. Chairman of the Honorable Fellowship Committee of the Georgia State Dental Society since 1906. Author: "Care and Preservation of the Teeth," and Biographies of the Ex-Presidents of the Georgia State Dental Society." Ex-Editor of the "Southern Dental Journal," "Dental World," "American Dental Weekly." Contributor to current dental literature. Inventor of Johnson's Lever Rubber Dam Clamp, Johnson's Improved Rubber Dam Clamp, Johnson's Contour Pliers, Johnson-Ries Electric Dental Engine.—ADDRESS: Commercial Bank Bldg., Macon, Georgia.

SAMUEL EDGAR JOHNSTON. Born on a farm near Dakota, Winona County, Minnesota, December 8, 1857. Educated in the Country District School. He began the study of dentistry under a preceptor in 1881 at Kahoka, Missouri. In November 1882 he located at Weeping Water, Nebraska, for the practice of dentistry, remaining until April 1883, when he moved to Seneca, Kansas. He practiced in Seneca nine years, moving to

Leavenworth, Kansas, in April 1882, where he has been in practice since. He received the degree of D. D. S. from the Western Dental College, Kansas City, Mo., in 1892, and the degree of Ph. G. from the Kansas City College of Pharmacy in 1892. He has taken post-graduate courses in Prosthetics and Orthodontia. He is Associate Professor of Prosthetic Dentistry in the Western Dental College and President of the Board of Directors. Member: North East Kansas District Dental Society, Kansas State Dental Association, Missouri State Dental Association, National Dental Association, Kansas City Dental Society.—ADDRESS: Leavenworth, Kansas.

LELAND D. JONES. Born in Neosho Falls, Kansas, July 6, 1879. Educated in the Public Schools of Woodson County, Kansas. Graduated from the Dental Department of the University of California with the degree of D. D. S. Active in: Christian Church, B. P. O. E., K. of P., M. W. A., F. B., Board of Directors Y. M. C. A., Chamber of Commerce, Musical Organizations. Member: San Diego County Dental Society, Southern California Dental Association, National Dental Asso-

ciation, Dental Protective Association, National Mouth Hygiene Association, California State Board of Dental Examiners.—ADDRESS: Watts Bldg., San Diego, California.

V. N. JONES. Born in Fairmont, West Virginia, December 10, 1866. Educated in Common School and W. Virginia University. Graduated from the Ohio College of Dental Surgery in 1890 with the degree of D. D. S. He is past member of the W. Virginia Board of Dental Examiners. Member of W. Va., and National Dental Associations.—ADDRESS: Wells and Diamond Sts., Sisterville, W. Va.

GUSTAVUS S. JUNKERMAN. Born in Cincinnati, Ohio, February 14, 1859. Graduated from Woodward High School in 1879. He received the D. D. S. degree from the Ohio Dental College in 1881, and the M. D. degree from the Medical Department of the University of Cincinnati in 1884. In 1905 he received the A. M. degree from the Ohio University. In 1893 he organized and is since Dean of the Cincinnati College of Dental Surgery, Dental Department of Ohio University.

He is Professor of Operative and Clinical Dentistry and Oral Hygiene,—ADDRESS: 231 W. Court St., Cincinnati, Ohio.

GEORGE FISKE KEESEE. Born in Richmond, Virginia, September, 1842. Educated at home and in the common schools of his native city. Graduated from the Baltimore College of Dental Surgery in 1869 with the degree of D. D. S. Secretary of the Virginia State Dental Association since 1870; President one term. President for three terms of the Richmond City Dental Society. Secretary-General of the Committee on Organization of the Jamestown Dental Convention.—ADDRESS: 301 E. Franklin St., Richmond, Virginia.

ALBERT BOLLING KELLY. Born in Philadelphia, Mississippi, April 1, 1873. Educated in the Public School of Mississippi. Graduated from the Mississippi Agricultural and Mechanical College, Starkville, Miss., 1892, receiving the degree of B. S. Received the degree of D. D. S., 1895, from the Philadelphia Dental College, Philadelphia, Pa. Took a Post-Graduate course in Anesthesia at Paden's School of Anesthesia, Chi-

cago, Ill. He is ex-President of the Mississippi State Board of Dental Examiners, and ex-President of the Mississippi Dental Association. He is Chairman of the Executive Committee from Mississippi, of the Panama Pacific Dental Congress, 1913-1915.—ADDRESS: Yazoo City, Miss.

WILLIAM E. KENNEDY. Born October 23, 1876. Educated in grade schools and Indiana University, three years. Graduated from the Indiana Dental College in 1901 with the degree of D. D. S. He is Professor of Crown and Bridge Work and Gold and Porcelain Inlays in the Indiana Dental College (University of Minneapolis). He is a member of the Indiana State Dental Association and Indianapolis Dental Society. ADDRESS: Board of Trade Bldg., Indianapolis, Indiana.

JOHN R. McCOY. Born in Orange, California, August 15, 1889. Educated in the Los Angeles public schools and University of Southern California. Graduated from the College of Dentistry, University of Southern California, in 1911 with the degree of D. D. S. Post graduate course in the Angle School of Orthodontia. He is Assistant Professor of Orthodontia in the University

Dentistry, University of Pennyslvania. In 1891, he became Editor of "The Dental Cosmos." His literary contributions are many and on a variety of subjects. He has contributed the chapters on "Dental Metallurgy" and "The Hygienic Relations of Artificial Dentures" in Litch's "American System of Dentistry,'" and the article on "Dentistry" in the Encyclopedia Brittanica and in the Encyclopedia Americana. He has edited the "American Text-Book of Operative Dentistry," to which he contributed the chapter on the "Discoloration of the Teeth and Their Treatment. Through his efforts the Dental Act of Pennsylvania was passed by the Legislature in 1897. He was President of the Pennsylvania State Dental Society, the Odontological Society of Pennsylvania, the Academy of Stomatology of Philadelphia, and Honorary President of the Fourteenth International Congress of Medicine. He was a member of the Pennsylvania State Board of Dental Examiners. He was Secretary-General and member of the Committee on Organization of the Fourth International Dental Congress, 1904, at St. Louis, and Secretary-General of the *Federation Dentaire Internationale.* He is a member of the American Association for

ciety of Philadelphia, the American Academy of Dental Science, the National Dental Association, the Advancement of Science, the Pathological So- the National Association of Dental Faculties, the Pennsylvania State Dental Society, the First District Dental Society of the State of New York, the *Societe Odontologique de Paris*, and honorary member of the Mexican Dental Society, the New York State Dental Society, and the St. Louis Society of Dental Science. In 1903 the Northwestern University conferred upon him the honorary degree of Doctor of Science. Shortly afterward the *Societe Odontologique de Paris* awarded him its quinquennial gold medal, and later the decoration of *Officier de l'Academie*, one of the highest forms of recognition of learning in the gift of the French Government.—ADDRESS: N. W. Cor. Spruce and 40th Sts., Philadelphia, Pa.

MILAND A. KNAPP. Born in Hastings, Minnesota, March 14, 1868. Educated in the Hastings grade and high schools. He was graduated from the University of Minnesota, Dental Department, in 1892 with the degree of D. M. D. He was Professor of Orthodontia in the Northwestern

University Dental School. Author of "Teeth Regulation," 1900; "Orthodontia Practically Treated," 1904. Inventor of Knapp Teeth Regulating Devices.—ADDRESS: Cor. 24th and Central Ave., Minneapolis, Minnesota.

CHARLES RUDOLPH EDWARD KOCH. Born in Birnbaum, Polish Prussia, April 24, 1844. Brought to America in infancy. He received the honorary degree of D. D. S. from the Washington University, Dental Department, in 1888. He studied dentistry under a preceptor at Chicago until August 1862, when he enlisted with the 72nd Illinois Infantry, serving in the Northern Mississippi campaign, Yazoo Pass expedition, and the Vicksburg campaign and seige. He was detailed chief clerk in Gen. Ranson's headquarters, November, 1863; appointed Captain 49th U. S. C. T.; detailed on staff of Lorenzo Thomas, adj.-general, organizing colored troops in southwest; rejoined command February 1864, serving with it in Louisiana until May 1865; Provost marshall, Yazoo City, Miss. May-Aug. 1865, western district of Miss., Vicksburg, Aug. 1865 to Mar. 1866, when he was mustered out. Rejoined dental preceptor in 1866

and later became partner in the practice of dentistry until 1871, when he practiced alone until 1898. He organized and was captain of a company of Union Veterans, serving in labor riots in 1877, and when I. N. G. was organized he enlisted as private in the 1st Inf., I. N. G., Aug. 1877; became Captain Co. I, Oct. 1877; Major, April 1886; Lieutenant-Colonel, Feb. 1888; Colonel, 1889; voluntarily retired, Nov. 1893. He organized a regiment at the breaking out of the Spanish-American war in 1898, which was accepted by the State and maintained at his own expense over four months, but was finally disbanded and honorably discharged by act of the Legislature. He is Secretary of the Faculty and Lecturer on Dental Economics at the Northwestern University Dental School, Chicago, since January 1904. He was President of the Chicago Dental Society in 1875, Secretary and Editor of the annual publications, 1871-5; President of the Illinois State Dental Society, 1877; Military Editor of the Chicago Inter Ocean, 1880-2; Secretary and President of the Illinois State Board of Dental Examiners, 1886-1891; President of the National Association of Dental Examiners, 1891. He is the author of "History of Dentistry," 1909. —ADDRESS: 31 West Lake St., Chicago, Ill.

O. G. KRAUSE. Born in Columbus, Wisconsin, July 4, 1876. Graduated from the Marquette University, Dental Department, in 1903. Professor of Crown and Bridge Work, Marquette University. President Wisconsin State Dental Society. Ex-President Marquette Dental Alumni Association. ADDRESS: Wells Bldg., Milwaukee, Wisconsin.

WILLIAM F. LASBY. Born in Castle Rock, Minnesota, October 25, 1876. Received his early education in a country school, later in Carleton College Academy, at Northfield, Minn., receiving the degree of B. S. in 1900. In 1903 he was graduated from the College of Dentistry, University of Minnesota, with the degree of D. D. S. He was instructor in the College of Dentistry 1908-1910; Assistant Professor of Prosthetic Dentistry and Orthodontia 1910-1912; and Associate Professor of Prosthetics and Orthodontia since 1912 to the present time. He is a member of the National Dental Association, of the Minnesota State Dental Association, of the Minneapolis Dental Society, and of the American Institute of Dental Teachers. ADDRESS: 425 Walnut Street, E., Minneapolis, Minn.

HARRY C. LAWTON. Born in Rutland, Vermont, November 7, 1880. Educated in the St. Paul public schools. Graduated from the College of Dentistry, University of Minnesota, with the degree of D. D. S. He is Associate Professor of Prosthetic Dentistry, Orthodontia and Dental Metallurgy in the College of Dentistry, University of Minnesota. He is the inventor of an Orthodontia Articular Forming Device. Member: St. Paul Dental Society, Minnesota State Dental Society, National Dental Association, American Institute of Dental Teachers. ADDRESS: 1064 Lombard Ave., St. Paul, Minnesota.

ALFRED ARCHINARD LEEFE. Born in New Orleans, Louisiana, September 27, 1889. Educated in the New Orleans Public Schools and High Schools. Graduated from the Tulane University of Louisiana, School of Dentistry, in 1910 with the degree of D. D. S. He is Secretary of the Faculty, School of Dentistry, Tulane University. Lecturer on Dental Pathology and Therapeutics, and Demonstrator of Clinical Dentistry and Prosthetic Technics. Member: Louisiana State Dental Society, First and Second Districts Dental

Societies, Odontological Society of New Orleans, Alumni Tulane University, Psi Omega Dental Fraternity. ADDRESS: 1115 Hospital St., New Orleans, Louisiana.

GEORGE H. LEGGETT. Born in Brooklyn, N. Y., January 17, 1870. Educated in the public schools and at Collegiate Institute, Hamilton, Ont. Graduated from the College of Dental and Oral Surgery of New York, in 1900, with the degree of D. D. S. He was President of the Alumni Association of the College of Dental and Oral Surgery of N. Y., and is on the Dental Staff of Bellevue and Allied Hospitals. Member of the First District Dental Society of N. Y. ADDRESS: 133 W. 123rd St., New York.

HAROLD J. LEONARD. Born in Minneapolis, Minn., November 24, 1887. Educated in the Public Schools of Minneapolis, and in the University of Minnesota. Graduated from the College of Dentistry, University of Minnesota, in 1912, with the degree of D. D. S., and from the College of Science, Literature and the Arts in 1915, with the degree of B. A. He was Instructor in Opera-

tive Dentistry at the College of Dentistry in 1912. In 1914-1915 he was Instructor in Oral Surgery, also took charge of pyorrhea clinic and of the lecture and quiz course in Special Dental Pathology. In 1913 he became associated with Dr. T. B. Hartzell in the work for the Scientific Foundation and Research Commission of the National Dental Association, continuing this work to the present time as Hospital Research Assistant. Member of the Minneapolis District, Minnesota State, and the National Dental Societies and of the Delta Sigma Delta Fraternity. ADDRESS: 515 Syndicate Bldg., Minneapolis, Minnesota.

WALTER F. LEWIS. Born in Fredonia, New York, in 1844. Received an academic education. Received the degree of D. D. S., from the College of Physicians and Surgeons of San Francisco in 1899. He was Professor of Orthodontia and now Emeritus at the Dental Department of the College of Physicians and Surgeons of San Francisco. He was President of the Minnesota State Dental Association, of the Oakland Dental Club, of the Odontological Club of Milwaukee, and of the California State Dental Association. Ex-member:

Indiana State Dental Association, Mississippi Valley Dental Association, California State Dental Association, National Dental Association; and ex-charter member: Minnesota State Dental Association, Odontological Club of Milwaukee, Oakland Dental Club. Promoter and member of the Midwinter Fair Dental Congress, San Francisco. Member and Chairman of Exhibits at Lewis and Clark Dental Congress. Charter member of Long Beach, California, Dental Club. Frater in Faculate of Beta Sigma Chapter Psi Omega. ADDRESS: 401-2-3 Marine Bank Bldg., Long Beach, California.

BENNO EDWARD LISCHER. Born in Mascoutah, Ill., June 27, 1876. Educated in the Grammar and High Schools of Mascoutah. Graduate of Washington University, Dental Department, receiving the degree of Doctor of Dental Medicine in 1900. Member of the National Dental Association, Missouri State Dental Association, St. Louis Dental Society, American Society of Orthodontists (Pres. 1903). Author of "Elements of Orthodontia," 1909; "Principles and Methods of Orthodontics," 1912. ADDRESS: 3905 Olive St., St. Louis, Missouri.

VIRGIL LOEB. Born in Columbia, Missouri, February 28, 1883. Graduated from the University of Missouri, with the degree of A. B. in 1903. Received the M. D. degree from the Medical Department of St. Louis University in 1906, and the D. D. S. degree from the Dental Department in 1906. Post-graduate work in Berlin, Vienna and London. He is Professor of Oral Surgery in St. Louis Dental College (St. Louis University), since 1907. Member of the staff of the St. Louis City Hospital. First Lieutenant of the Medical Reserve Corps, U. S. A. Member: American Medical Association, (Chairman Sect. Stomat. 1912), Missouri Medical Association, Missouri State Dental Association, St. Louis Medical and Dental Societies, Society of Military Surgeons U. S., Phi Beta Pi, Delta Sigma Delta. Literary contributor on scientific subjects. ADDRESS: Humboldt Bldg., St. Louis, Missouri.

EGBERT T. LOEFFLER. Born at Saginaw, Michigan, December 31, 1860. Graduate Saginaw High School. Received the degrees of B. S. and C. E., from the University of Michigan, in 1885, and was graduated from the Dental Department of

the University of Michigan in 1888, receiving the degree of D. D. S. He is now Professor of Dental Therapeutics in the Dental Department of the University of Michigan. Member of National and State societies. ADDRESS: Cutting Flats, Ann Arbor, Michigan.

WILLIAM H. G. LOGAN. Born in Morrison, Illinois. Educated in the Northern Illinois College. Graduated from the Chicago College of Dental Surgery, 1896, with the degree of D. D. S., and from the American College of Surgery with the degree of M. D. He is Professor of Oral Pathology and Associate Professor of Oral Surgery in the Chicago College of Dental Surgery. He is Fellow of the American College of Surgeons. Member: Chicago Dental Society, Illinois State Dental Society, National Dental Association, Chicago Medical Society, Illinois State Medical Society, American Medical Association. Author of a number of articles on surgical lesions of the mouth and on pyorrhea. ADDRESS: 29 E. Madison St., Chicago, Illinois.

ELI HERR LONG. Born in Clarence, N. Y., July 24, 1860. Educated in the public schools of

Williamsville, N. Y. Graduated from the Medical Department of the University of Buffalo in 1882, with the degree of M. D. He is Professor of Materia Medica, and Therapeutics in the Dental Department of the University of Buffalo since 1893, and in the Medical Department since 1898. Member: American Medical Association, American Therapeutic Society, Medical Society of the State of New York, Buffalo Academy of Medicine. He is the author of "Dental Materia Medica, Therapeutics and Prescription Writing," 1903; "Tables for Doctor and Druggist," 1891; "Pharmacologic Diagrams," 1901. ADDRESS: 1339 Main St., Buffalo, N. Y.

CARL D. LUCAS. Born October 24, 1879. Educated in the Public Grade Schools, High School, Fairmount Academy, 1899. Received the degree of D. D. S., from the Indiana Dental College in 1902. Has been lecturer at the Indiana Dental College in Anatomy, Histology, Embryology, and Oral Surgery. Chairman Indiana State Dental Society, (Pres. 1910). Second Secretary of the Executive Committee of the National Dental Association, 1914. Member of the Scientific

Foundation and Research Commission of the National Dental Association. Member: Indianapolis Dental Society, Northern Indiana Dental Society, Chicago Odontological Society, Illinois State Dental Society, National Institute of Dental Teachers, and Life Member of the Delta Sigma Delta Fraternity. Has read a number of papers on professional topics at dental society meetings. Has made an original cast gold retaining appliance for anterior lower teeth. ADDRESS: 902 Hume Mansur Building, Indianapolis, Indiana.

WILLIAM ETHELRED LUNDY. Born in Mississippi, April 12, 1873. Educated in the public schools. Received the degree of D. D. S. from the College of Dentistry, University of Tennessee, in 1897. He is Professor of Orthodontia since 1910, in the University of Tennessee. Member of the Tennessee State Dental Association for fifteen years and National Dental Association for six years. ADDRESS: Memphis Trust Bldg., Memphis, Tenn.

EDWARD P. MARCILLIAT. Born October 9, 1889. Educated in the Common and High Schools. Graduated from the Louisville College

of Dentistry, Valparaiso University, in 1912, with the degree of D. D. S. He was Assistant Professor of Physiology at same. Member of Kentucky State Dental Society and Jefferson County Dental Society, Honorary Member of Arkansas State Dental Society. ADDRESS: 204 West Chestnut St., Louisville, Kentucky.

EDWIN W. MARTINDALE. Born in Gallipolis, Ohio, October 6, 1869. Educated in the Common Schools and Ewington Academy. Graduated from the Rio Grande College with the degree of A. B. and from the Dental Department of the Ohio State University with the degree of D. D. S., 1898. He was Professor of Anesthesia in the Dental Department of the Ohio State University. Chairman of Education and Oral Hygiene Committee of the Ohio State and Columbus Dental Society. Member: National Dental Association, Ohio State Dental Society, Columbus Dental Society, Interstate Association of Anesthetists, and Athletic Club of Columbus. ADDRESS: Ruggery Bldg., Columbus, Ohio.

HERMAN A. MAVES. Born in Belgard, Germany. Educated in Grammar and High Schools. Graduated from the University of Minnesota, College of Dentistry, in 1905, receiving the degree of D. D. S. He is Associate Professor of Operative Dentistry at the University of Minnesota. President of Minneapolis District Dental Society of Minnesota in 1913. Elected Master of Clinics of Minnesota State Dental Association in 1916. ADDRESS: Donaldson Building, Minneapolis, Minnesota.

JOHN OPPIE McCALL. Born in Geneva, N. Y., October 4, 1879. Graduated from Yale University in 1901 with the degree of A. B., and from the University of Buffalo, Dental Department, in 1904, with the degree of D. D. S. He is Professor of Chemistry and Metallurgy at the Dental Department, University of Buffalo. Member: National Dental Association, New York State Dental Society, and Eighth District Dental Society of N. Y. Member and First Vice-President of the American Academy of Oral Prophylaxis and Periodontology. Inventor of pyorrhea scalers and holding instrument for sharpening same. ADDRESS: 131 Allen St., Buffalo, N. Y.

JAMES T. McCLENAHAN. Born in Pittsboro, North Carolina. Educated in common and private schools. Received the degree of D. D. S., from Columbian University. He is Professor of Dental Medicine and Therapeutics in the Dental Department of Georgetown University, Washington, D. C. Member: National Dental Association, District of Columbia Dental Society, National Mouth Hygiene Association. ADDRESS: 926 Farragut Square, Washington, D. C.

A. J. McDONAGH. Born in Ontario, Canada, February 1867. Educated in Public School and Collegiate Institute, Napanee. He received the degree of D. D. S., from the Royal College of Dental Surgeons, L. D. S., Ontario. Formerly Professor of Crown and Bridge Work, at present Lecturer and Clinician in Periodontology, at the Royal College of Dental Surgeons of Toronto. He is President of the Canadian Oral Prophylactic Association, Examiner in Bacteriology at the Royal College of Dental Surgeons, Lecturer at St. Michaels Hospital. He was Official Representative of the Dominion of Canada at the Sixth International Dental Congress. Member of the Ed-

ucational Committee of the Canadian Dental Association for two terms. Member: American Academy of Oral Prophylaxis and Periodontology, American Association of Dental Teachers, Canadian Odontological Society. Honorary member of the Ohio State Dental Society. Inventor of McDonagh Periodontic Instruments and McDonagh File Sharpener. Author of numerous essays. ADDRESS: 2 Bloor St., E., Toronto, Ontario, Can.

WILLIAM McDOUGALL. Born August 13, 1888. Educated in Grammar and High Schools. Received the degree of D. D. S., from the University of Minnesota, College of Dentistry, 1911. He is now Assistant Professor in Crown and Bridgework, at the University of Minnesota, College of Dentistry. ADDRESS: Syndicate Bldg., Minneapolis, Minnesota.

WILLIAM H. O. McGEHEE. Born in Nottoway County, Virginia, January 20, 1874. He passed the grammar grades and High School of Richmond, Va., and spent two years at Richmond College. In 1894 he entered the University College of Medicine, now the Medical College of Vir-

ginia, matriculating in both the medical and dental departments, where he received the degree of D. D. S., in 1897 and the degree of M. D. in 1898. Soon after his graduation he was elected to a teaching position in the dental department of his Alma Mater, and has since taught continuously a period of seventeen years, covering various branches of dentistry. His increasing interest in educational work resulted in the abandonment of his practice in the fall of 1906, when he was elected head of the clinical and technical Departments and Professor of Dental Pathology, Therapeutics and Materia Medica. In the spring of 1909 he was elected Dean of the Dental Department, which position he resigned the following fall, being elected Superintendent of Clinics and Professor of Operative Dentistry in the Ohio College of Dental Surgery, so remaining to the present time, and now also directing the teaching of the chair of Prosthetic Dentistry. During the seventeen years of his teaching experience he has at one time or another filled most all of the teaching positions, technical and theoretical, including dental anatomy, operative technics, operative dentistry, prosthetic technics, prosthetic dentistry, crown and

bridge technics, orthodontia technics, porcelain technics, dental pathology and therapeutics, dental materia medica and anesthetics, which experience has given him a thorough grasp on dental educational problems. He is the author of "Operative and Dental Anatomy Technics," (P. Blakiston's Son & Co., 1914), a successful text book for dental students, and has in preparation another book which will shortly be issued. He is a frequent contributor to the periodical literature of the profession, and has done much scientific research work. Among his most prominent contributions to dental literature are the following:

"The Relation of Dentistry to General Medicine," THE VIRGINIA HOSPITAL BULLETIN, July, 1906.

"The Essentials of Success in Dentistry, XI PSI PHI QUARTERLY, May, 1908.

"Physical Diagnosis and Anæsthesia," THE DENTAL SUMMARY, March, 1909.

"Constitutional Treatment of Dental Diseases," THE DENTAL SUMMARY, April, 1910.

"Rationalism versus Empiricism in the Selection of Dental Remedies," THE DENTAL BRIEF, May, 1911.

"Woman in Dentistry," THE DENTAL COSMOS, October, 1911.

"Conservation of the Biscupid Teeth," THE DENTAL SUMMARY, November, 1911.

"Obituary of Dr. Richard Johnson Porre," THE DENTAL BRIEF, February, 1912.

"An Experimental Study of the Tooth-Staining Properties of Various Colored Dentifrices," THE DENTAL COSMOS, March, 1912.

"Stock Vaccines in the Treament of Pyorrhea," THE DENTAL COSMOS, September, 1912.

"Problems Confronting the Dental Profession," THE AMERICAN DENTIST, June, 1915.

"Oral Manifestations of Constitutional Disturbances," THE AMERICAN DENTIST, July, 1915.

"Prevention of Dental Caries," THE AMERICAN DENTIST, September, 1915.

His paper read at the meeting of the National Dental Association at Cleveland, in 1911, reporting the results of extensive laboratory and clinical research, was the first to call attention to the discoloring effects of colored dentifrices on normal tooth structure. He is a member of the following societies: National Dental Association, Ohio State Dental Society, Virginia State Dental Association,

Cincinnati Dental Society, Cincinnati Dental Research Society, Cincinnati Academy of Medicine, Ohio State Medical Society, American Medical Association, and Inter-State Association of Anesthetists. He is now Associate Editor of the American Dentist. In addition to his professional attainments he is also a musician and composer. He studied piano, organ, theory and harmony under some of the best teachers in the East, has occupied prominent positions as organist and choir master in both Richmond and Cincinnati; was conductor of the Richmond Choral Society until he resigned to move to Cincinnati; is the author of numerous musical compositions for solo and mixed voices of both a secular and sacred nature.—ADDRESS: The Roanoke, Clifton, Cincinnati, Ohio.

C. HOWARD MERRITT. Born in Hamilton, N. Y., October 28, 1868. Educated in Houlton Academy, Houlton, Maine. Graduated from the Baltimore College of Dental Surgery in 1898 with the degree of D. D. S. He is an expert porcelain worker, having given clinics and papers before the leading dental societies. He was elected Chairman of the Executive Committee and Vice-

President of the Maine Dental Society in 1901; President in 1902. In 1903 he represented the State Dental Society of Maine at the Odontographic Society of Chicago, giving a clinic on Porcelain Inlays. His work was pronounced by the leading porcelain men as the most perfect ever done. He moved to the Pacific Coast, and has opened an office in Oakland, California, in 1903. He has since become interested in oil and lands, and is in possession of oil lands in the Coalinga Field and 5000 acres of land in Ingo County, California. He is a member of the Northeastern Dental Association, Panama-Pacific Dental Congress and Psi Omega Dental Fraternity.—ADDRESS: Union Savings Bank Bldg., Oakland, Cal.

H. H. MILLARD. Born in Meadville, Pennsylvania, July 9, 1867. Graduated from the Western Dental College, Kansas City, Mo., in 1904 with the degree of D. D. S. He is Associate Professor of Crown and Bridgework in the Western Dental College. Member of Kansas City Dental Society.—ADDRESS: 3103 Troost Ave., Kansas City, Mo.

HERBERT C. MILLER. Born in Hamilton, Ontario, Canada, June 19, 1864. Educated in High School and Washington University. Graduated from the Missouri Dental College in 1885 with the degree of D. D. S., and from the St. Louis Medical College in 1887 with the degree of M. D. He is Founder of the North Pacific College, Portland, Oregon, Departments of Dentistry and Pharmacy. He is Dean of the North Pacific Dental College and Professor of Clinical Dentistry and Oral Surgery. Member: National Dental Association, American Institute of Dental Teachers, Oregon State Dental Association, Portland District Dental Society, Portland City and County Medical Societies, Oregon Academy of Science. He is the inventor of a Vulcanizing and Celluloid Pressing Apparatus.—ADDRESS: E. 6th and Oregon Sts., Portland, Oregon.

WILLIAM A. MILLS. Born in Norfolk, Virginia, July 24, 1849. Graduated from the Baltimore College of Dental Surgery in 1871 with the degree of D. D. S. He was active as an author, essayist, newspaper writer, poet and public speaker. He is the inventor of a dental tooth

brush. Member: American Medical Association, Maryland State Dental Association, and Association of Dental Surgeons of Baltimore.—ADDRESS: 342 Dolphin St., Baltimore, Md.

J. RUSSELL MITCHELL. Born in Fort Mason, Florida, November 5, 1887. Educated in the public schools of Lake and Polk Counties. Graduate of Southern Training School, Graysville, Tennessee. Obtained the degree of D. D. S. from the Southern Dental College in 1911. He is Professor of Oral Prophylaxis and Alveolar Pyorrhea, and Chief Demonstrator of Crown and Bridge Work in the Southern Dental College, Atlanta, Ga. Member: National Dental Association, Atlanta Society of Dental Surgeons, Georgia State Dental Association, and honorary member of the Alabama State Dental Association.—ADDRESS: Candler Bldg., Atlanta, Ga.

GEORGE SNOW MOFFATT. Born in Le Sueur, Minnesota, September 21, 1879. Received the degree of D. D. S. from the Northwestern University Dental School, 1900. Professor of Anesthesia, Kansas City Dental College. Dental

Surgeon, Kansas City Southern R. R., 1909-1912. Past Master, Owen A. Bassett Lodge No. 367 A. F. and A. M. Past High Priest, Pittsburgh Chapter No. 58 Royal Arch Masons. Present Eminent Commander Mount Joie Commandery No. 29 Knights Templar of Kansas. Member: National Dental Association, Kansas State Dental Association, Southeast Kansas Dental Association, Pittsburgh Dental Association, Kansas City Dental Association, Southwest Missouri Dental Association.—ADDRESS: 502½ N. Broadway, Pittsburg, Kansas.

HENRY W. MORGAN. Obtained the degree of M. D. from the Medical Department of Vanderbilt University in 1875, and the degree of D. D. S. from the Philadelphia Dental College in 1876. He is Dean and Professor of Operative Dentistry of the Department of Dentistry of Vanderbilt University; Ex-President of the National Association of Dental Teachers; Ex-President and Ex-Treasurer of the National Association of Dental Faculties; Member of the Nashville Academy of Medicine and of the Nashville Association of Dentists.—ADDRESS: 189 Eighth Ave., N., Nashville, Tenn.

JAMES B. MORISON. Born in Melbourne, Quebec, Canada, August 20, 1878. Educated at St. Francis College, Richmond. D. D. S. (Bishops University). D. D. S. McGill University, 1914. Professor of Orthodontia, McGill University, Department of Dentistry, Montreal, Canada. At present on overseas service as a member of Canadian Army Dental Corps.—ADDRESS: Birks Bldg., Phillips Square, Montreal, Quebec, Canada.

DAVID E. MORROW. Born in Ohio, March 25, 1857. Educated at the Warrensburg, Missouri, Normal School. Received his dental education at Marion Sims Dental College, of St. Louis, being graduated in 1899 with the degree of D. D. S. Received the degree of M. D. from Barnes University, Medical Department, St. Louis, 1910. Demonstrator at the Washington University Dental School, 1896-1898. Secretary Marion Sims Dental College, 1898-1903. Superintendent of Infirmary and Professor of Materia Medica and Therapeutics, Marion Sims Dental College, 1898-1903. Dean of State Dental College, Dallas, Texas, 1904-1906. At present Secretary of Barnes Dental College, Department of National Univer-

sity, St. Louis, and Professor of Prosthetic and Clinical Dentistry, since 1908. Member of State, City and National Dental Societies.—ADDRESS: 940 Hamilton Avenue, St. Louis, Missouri.

P. EWELL NEIL. Born in Lewisburg, Tennessee, February 12, 1878. Educated in Nashville High School and University of Nashville. Received the degree of D. D. S. from the Vanderbilt University in 1903. He was Professor of Oral Surgery in the Meharry Dental College in 1905. Professor of Crown and Bridge Work in the Meharry Dental College, Nashville, Tenn., 1906-1915. Curator of the Museum in the Vanderbilt University, Department of Dentistry, 1912-1915. He has done extensive work in perfecting the vulcanizing process, the final results of which are now being prepared for publication. Member: Alumni Association of the Vanderbilt University, Tennessee State Dental Association, National Dental Association. Representative of the Meharry Dental College to the National Association of Dental Faculties and the American Institute of Dental Pedagogics.—ADDRESS: Jackson Bldg., Nashville, Tenn.

EDMUND NOYES. Born in Abington, Massachusetts, January 16, 1842. Attended district schools in Abington and Brockton until the age of 14, and about thirty weeks at private schools in Independence, Iowa. He later taught seven terms in country schools. His dental education he received with Dr. E. L. Clarke, of Dubuque, Iowa, 1865-1867; and one year at the Ohio College of Dental Surgery, 1866-1867. He began his practice in Chicago in 1867 to the present day. He received the Honorary Degree of D. D. S. from the Chicago College of Dental Surgery in 1884. He was Professor of Operative Dentistry at the Chicago College of Dental Surgery for five years. In 1891 he was elected Secretary of the Faculty of the Northwestern University Dental School, afterwards Professor of Ethics and Jurisprudence, which position he holds to the present time. He was Secretary and President of the Chicago Dental Society; Secretary and President of the Chicago Odontological Society; Secretary and President of the Illinois State Dental Society, and President of the Northern Illinois Dental Society. Since 1904 he is Editor of Transactions of the Illinois State Dental Society. He has read a num-

ber of papers before various dental societies, and has published one book, "Ethics and Jurisprudence for Dentists," 1915.—ADDRESS: 108 N. State St., Chicago, Ill.

CHARLES H. OAKMAN. Born in Detroit, Michigan, in 1865. Educated in the Public Schools of Detroit. Graduated from the Chicago College of Dental Surgery in 1892 with the degree of D. D. S., and from the Detroit College of Medicine in 1906 with the degree of M. D. Fellow of American College of Surgeons, 1915. Ex-President of the Detroit Board of Health. Oral Surgeon to Harper Hospital. Member: National Dental Association, American Medical Association, Mississippi Valley Medical Association. Contributor to Dental and Medical Journals.—ADDRESS: David Whitney Bldg., Detroit, Mich.

ELBERT BRITTEN OWEN. Born in Arlington, Kentucky, March 5, 1880. Educated in Grammar and High Schools and two years College at Arlington. Graduated from the St. Louis University Dental College in 1908 with the degree of D. D. S. He is Professor of Prosthetic Dentistry

in the Dental Department of St. Louis University since 1910. Member of St. Louis Dental Society, Missouri State Dental Society, and National Dental Association.—ADDRESS: 2728 Chouteau Ave., St. Louis, Mo.

ALFRED OWRE. Born in Norway, December 16, 1870. Educated in *Kristiana Borger og Real Skole.* He graduated from the Dental Department of the University of Minnesota in 1894 with the degree of D. M. D.; degree of B. A. in 1910. Graduated from the College of Physicians and Surgeons, Hamline University, in 1895 with the degrees M. D., C. M. Since 1894 he was connected with the College of Dentistry, University of Minnesota, holding the following positions: Assistant in Operative Dentitsry 1894-6; Instructor in Dental Metallurgy 1896-7; Instructor in Operative Dentistry and Dental Metallurgy 1897-1900; Professor since 1900; Dean of the Faculty and Professor of Theory and Practice of Dentistry and Dental Metallurgy since 1905 to the present time. He was a member of the 2nd, 3rd, 4th and 5th International Dental Congresses, 1893-1910; Vice-President of the National Dental As-

sociation, 1907; Life Member of the Minnesota State Dental Association (President 1902). Member: Lamda Alpha Psi, Minnesota Dental Society, Twin City Dental Club, Scandinavian Dental Club (Minneapolis), Minneapolis Medical Club, Twin City Dental Academy, Southern Minnesota Dental Association (hon.), North Dakota State Dental Association (hon.). Life Member Archæological Institute of America, Treasurer Minneapolis branch of same. Life Member: Japan Society, London; Asiatic Society of Japan; Minneapolis Society of Fine Arts. Contributor to dental journals on technical and educational subjects.—ADDRESS: 2109 Blaisdell Ave., Minneapolis, Minn.

ALFRED A. PAGENKOPF. Born in Mapleton, Minnesota, in 1887. Educated in Mapleton public and high schools. Graduated from the Dental Department of the University of Minnesota in 1909 with the degree of D. D. S. He is Associate Professor of Crown and Bridge Work in the College of Dentistry, University of Minnesota. Member of Xi Psi Phi Fraternity.—ADDRESS: 1482 Grand Ave., St. Paul, Minn.

CORYDON PALMER. Born in Warren, Ohio, in 1820. Educated in his native village. He received the honorary degree of D. D. S. from the Ohio College of Dental Surgery. He is probably the oldest living dentist in the world. For many years he enjoyed a reputation as one of the most eminently skilled gold operators in the dental profession. Having learned the jeweler's trade he became an adept in making his own instruments. It is stated that if he wanted a special instrument for a case in hand he would leave his patient in the chair and go into the laboratory and make it. He was of an inventive turn, and, it is claimed, invented the first complete set of cohesive gold instruments. Many forms in use to-day are patterned after his designs. He was for a number of years an advisory expert, to examine and perfect the new instruments placed on the market by the S. S. White Dental Manufacturing Company. There is a fine collection of his work in oil, illustrating prosthetics, at the Baltimore College of Dental Surgery. For years he has been a member of the Board of Trustees and was at one time a teacher of operative dentistry in the Ohio College of Dental Surgery. He has practiced dentistry

in his native town throughout his life, where he is now retired.—ADDRESS: Warren, Ohio.

EDGAR PALMER. Born in Vermont, in May, 1840. He received an Honorary degree of D. D. S. from the American College of Dental Surgery. He is an alumnus of the Northwestern University. He was Professor of Operative Dentistry in the Colorado Dental College in 1897; established the Department of Dentistry of the University of Southern California, being Dean for four years, and is now Dean Emeritus. He was organizer, first Chairman and second President of the Wisconsin State Dental Society (12 years); and member of the State Board of Dental Examiners of Wisconsin in 1895 and 1896. He is honorary member of the Southern California Dental Association, and member of the National Dental Association. He was 54 years in active practice, retiring in 1912. He enlisted, and served in the Hospital Department, in the Civil War.—ADDRESS: 922 South Bonnie Brae St., Los Angeles, California.

JOHN DEANS PATTERSON. Born in Clear Creek Township, Ashland County, near Savannah, Ohio, February 9, 1848. Received his early education at the district school and later at the Savannah Academy, supplemented by the tutorship of his parents. He began the active practice of dentistry in 1868 at Lawrence, Kansas, after two years' pupilage under other practicing dentists, that being the prescribed term for the dental student of those days. In 1872 he organized the Kansas State Dental Association, becoming the Secretary, and in 1876 he was elected President, holding that office until 1878. He was one of the organizers and the first Professor of Operative Dentistry of the Kansas City Dental College in 1881, and was graduated from that institution with the degree of D. D. S. in 1883. He was for many years Secretary of the Faculty and Professor of Dental Pathology, and in 1900 became Dean of the Faculty. He is now Emeritus Professor of Dental Pathology of the Kansas City Dental College. He was President of the Kansas State Dental Association, 1876-7; President of the Missouri State Dental Association, 1892; President of the American Dental Association, 1893; President of

the National Association of Dental Faculties, 1894; President of the Institute of Dental Pedagogics, 1903; President of the Kansas City Odontographics, 1902. He was Honorary President of the Kansas City Dental College Alumni Association, 1904-5; Vice-President for Missouri of the Interstate Dental Fraternity, 1905; Supreme Grand Master of the Delta Sigma Delta Fraternity, 1905-6. He was a member of the Committee on Organization of the Fourth International Dental Congress. He is an honorary member of the American Academy of Dental Science of Boston, the St. Louis Society of Dental Science, the Nebraska, Oklahoma, Southern Kansas, Indiana, and other State Dental Associations. He is an excellent parliamentarian and executive officer and is frequently called upon for opinions or to preside at meetings. He is a talented essayist and writer and was Editor-in-Chief of "The Western Dental Journal" since its organization until January, 1906.—ADDRESS: Keith and Perry Bldg., Kansas City, Missouri.

FRANK C. PEARN. Born in St. Marys, Ontario, Canada, May 23, 1884. Educated in the

public and high schools of Port Perry, Ont., Canada. He received the degree of Ph. C. from the Ontario College of Pharmacy, the degree of Phm. B. from the University of Toronto, and the degree of D. M. D. from the North Pacific Dental College, Portland, Oregon. He is Professor of Materia Medica and Therapeutics in the North Pacific College of Dentistry, and Professor of Botany in the North Pacific College of Pharmacy. He is Editor of Scientific Notes in the "Pacific Drug Review," and Assistant Editor of the "Mask." Member: National Dental Association, Oregon State Dental Association, and Portland Dental Society.—ADDRESS: E. 6th and Oregon Sts., Portland, Oregon.

JOSEPH LORAN PEASE. Born in Montana, May 22, 1873. Educated at Wisconsin Academy. Graduated from the Chicago College of Dental Surgery in 1897 with the degree of D. D. S., and from the Pacific Coast College of Medicine in 1901 with the degree of M. D. Member of the California State Board of Dental Examiners (nine years); member of the Committee on Organization of the Panama Pacific Dental Congress. Member: National Dental Association, California State Den-

tal Association, Alameda County District Dental Society. Author of a number of articles on Dental Cements.—ADDRESS: Federal Realty Bldg., Oakland, California.

ADELBERT HENRY PECK. Born in Hammond, Wisconsin, April 17, 1862. Early education obtained in the village school. Attended the State Normal School at River Falls, Wisconsin, and at the age of seventeen taught his first school. In 1884-1885 he held the position of principal of the graded school of his home town, and was President of the County Teachers' Association. He was graduated from the Chicago College of Dental Surgery in 1888 with the degree of D. D. S., delivering the valedictory address for his class. In 1889 he held the position of Adjunct Professor of Operative Dentistry in the Chicago College of Dental Surgery. In 1891 he was graduated with the M. D. degree from the Rush Medical College. He became Professor of Dental Materia Medica and Therapeutics at the Chicago College of Dental Surgery in 1894. In 1896 he was elected Professor of Dental Materia Medica, Therapeutics and Pathology in the Northwestern University Dental

School. In 1901 he became Dean of the Dental Department of the University of Illinois, and Professor of Materia Medica, Therapeutics and Dental Pathology, remaining in the position for three years. He was Secretary of the Illinois State Dental Society 1898-1903, and President in 1903. President of the National Dental Association, 1907, Vice-Chairman of the Fourth International Dental Congress, 1902, also Chairman of the Program Committee of the Congress, and chairman of Section Four on Oral Hygiene, Prophylaxis, Materia Medica, Therapeutics, and Electro-Therapeutics. Secretary and President of the Chicago Dental Society. Member American Medical Association and Chicago Academy of Medicine, Delta Sigma Delta Fraternity, Mystic Shrine, and thirty-second degree Mason. He is a frequent contributor to the literature of the profession. ADDRESS: Marshall Field Annex Bldg., Chicago, Ill.

JOHN H. PHILLIPS. Born in Yantley, Alabama, December 1, 1870. Educated in public and high school. Graduated from the Vanderbilt University, Department of Dentistry, with the degree of D. D. S. He is Professor of Dental Anatomy

and Operative Technics, Supervisor of Clinics and Dental Laboratories, and Instructor in Porcelain, in the Dental Department of Vanderbilt University, Nashville, Tenn. Member: National Dental Association, Tennessee Dental Association; Honorary member: Alabama, Mississippi, Georgia, and South Carolina Dental Associations, and Nashville Academy of Stomatology.—ADDRESS: 2117 Blair Boulevard, Nashville, Tenn.

FRANK L. PLATT. Born in Le Roy, New York, August 22, 1864. Educated in public school and Business College. Graduated from the California Normal and Scientific School in 1883. Received the degree of D. D. S. from the Philadelphia Dental College in 1890. He was valedictorian of his class and president of one of the student societies, the D. D. S. society. He was President of the San Francisco Dental Society two terms, 1897-1899; President of the California State Dental Association, 1903: Lecturer in Hahnemann Medical College two years, 1891-92, and in Dental Department of the University of California, 1905-6. He is at Present Lecturer and Clinical Instructor in Local Anesthesia at the College of

Dentistry, University of Southern California. He was Editor of the PACIFIC DENTAL GAZETTE, 1897-1914. He was Chairman of the Committee on Organization of the Panama-Pacific Dental Congress. He is a frequent contributor to current dental literature.—ADDRESS: 323 Geary St., San Francisco, Calif.

H. CARLYLE POLLOCK. Born in Illinois, July 27, 1884. Educated in High School and Colorado College, Colorado Springs, Colo. Graduated from the College of Dental Surgery, University of Michigan, in 1907 with the degree of D. D. S. Post-graduate course in Angle School of Orthodontia, 1911. He is Associate Editor of the "International Journal of Orthodontia." Secretary of the Dewey School of Orthodontia.—ADDRESS: Metropolitan Bldg., St. Louis, Mo.

WILLIAM H. POTTER. Born in Boston, Massachusetts, June 20, 1856. Educated in Roxbury Latin School and Harvard University, A. B. 1878. Graduated from the Harvard University Dental School in 1885 with the degree of D. M. D. He is Professor of Operative Dentistry in the

Harvard University Dental School. Member of First District Dental Society of N. Y., American Academy of Dental Science, and Harvard Odontological Society. Author of the article on "Teeth" in the "Reference Handbook of Medical Sciences," and of sundry professional magazine articles.—ADDRESS: 16 Arlington St., Boston, Mass.

HERBERT ANTHONY POTTS. Born in White-Hall, Illinois, February 15, 1873. Educated in public and high schools. Graduated from the Northwestern University, Dental School, in 1895 with the degree of D. D. S., and from the Medical School in 1901 with the degree of M. D. He is Professor of Pathology, Lecturer on Anesthesia and Assistant in Oral Surgery in the Northwestern University Dental School. He is Oral Surgeon to Cook County Hospital by appointment, and Oral Surgeon to Evanston Hospital. Member: Chicago Dental Society, Illinois State Dental Society, National Dental Association, Chicago Medical Society, Illinois State Medical Society, American Medical Association, Deutsche Medizinische Gesellshaft von Chicago. Author of various dental and medical papers, translations

from German. Inventor of several dental and oral surgery instruments.—ADDRESS: 31 N. State St., Chicago, Ill.

GEORGE CORWIN POUNDSTONE. Born in Illinois in 1870. Educated in the public and high schools. Graduated from the Northwestern University Dental School in 1902 with the degree of D. D. S. He is Professor of Materia Medica and Therapeutics in the Northwestern University Dental School. Member: Chicago Dental Society, Illinois State Dental Society, and National Dental Association. Author of a number of papers on Cements, Root Treatment, and others.—ADDRESS: 2605 Milwaukee Ave., Chicago, Ill.

HERMANN PRINZ. Born June 13, 1868, in Schwittersdorf, Province of Saxony, Germany. From 1874 to 1877 he attended the public schools of his home town and thereafter, until 1884, a progymnasium in Leipzig. From 1884 to 1888 he was apprenticed to an apothecary in Halle, Cologne, etc., in 1889 he emigrated to the United States. He became connected with the drug business soon after his arrival, and in 1892 he entered

the Dental School of the University of Michigan. In 1895 he was called to the University of Halle (Germany), and while teaching in the dental department he pursued medical studies in the same institution. After returning to the United States, he graduated from the University of Michigan in 1896 with the degree of D. D. S. In 1897 he entered upon the practice of dentistry in the City of St. Louis, and became affiliated with the Marion Sims Dental College as a teacher and a student in the medical department, and in 1901 he was graduated as Doctor of Medicine. In 1900 he was elected Professor of Materia Medica and Therapeutics in the dental department of Washington University, St. Louis, Mo. A research laboratory in dental pathology and therapeutics was established in the above institution in 1910, of which he took charge, devoting his entire time to this work and to the teaching in the respective branches. He is now Professor of Materia Medica at the University of Pennsylvania.

In 1909 he was elected honorary president of the section on Materia Medica of the Fifth International Dental Congress and corresponding member of the Central Verein Deutscher Zahnaerzte,

and in the same year he was appointed chairman of the Committee on the Revision of the United States Pharmacopoeia, Section of Stomatology, American Medical Association. In 1912 the University of Michigan conferred upon him the Honorary degree of Master of Arts and in 1913 he was elected honorary member of the Society of Sigma Xi.

From 1900 to 1907 he was editor of the "Dental Era." In 1907 he published the "Dental Formulary," now in its second edition, and with a Spanish edition in press; and in 1909 a text-book on "Materia Medica and Therapeutics," of which the third edition has just appeared. He has contributed special articles to Kirk's "American Textbook of Operative Dentistry" (fourth edition), a "Text-book of Operative Dentistry," by Johnson and a text-book on "General Anesthesia" by Gmathway. His further contributions to current dental and medical literature have appeared principally in the "Dental Cosmos," the "Dental Review," the "Dental Summary" and "Journal of the American Medical Association," etc., and the various German dental periodicals. ADDRESS: University of Pennsylvania, Philadelphia, Pa.

P. G. PUTERBAUGH. Born in Logansport, Indiana, February 10, 1883. Graduate of High School. Received the degree of D. D. S. from the Chicago College of Dental Surgery in 1902, and the degree of M. D. from the Chicago College of Medicine and Surgery in 1912. He was instructor in Anatomy at the Chicago College of Dental Surgery from 1910-1914. At present he is Professor of Anaesthetics and Physical Diagnosis at the same college since 1912. Also Superintendent of the Clinic since 1912. He is the author of a number of papers on dental and medical topics, and Editor of "The Bur," the Alumni Journal of the Chicago College of Dental Surgery. ADDRESS: 2502 Orchard Street, Chicago, Illinois.

GEORGE W. RANDALL. Born January 8, 1878. Educated in the common school of Marion Junction, Alabama, later being graduated from the Marion Military Institute in 1898 with the degree of B. S. Graduated from the Atlanta Dental College in 1902, with the degree of D. D. S.. Ex-President of the Alabama Dental Association and member of the Alabama Oral Hygiene Committee 1908-1916. Lecturer on same. ADDRESS: West Blockton, Alabama.

WILLIAM MARCUS RANDALL. Born in Petersburg, Boone County, Kentucky, June 18, 1877. Lived on a farm and attended country schools until fifteen years of age. Entered High School in Aurora, Indiana, and was graduated in 1895. Taught public school for several sessions. Graduated from Louisville College of Dentistry, Louisville, Ky., in 1900, receiving the degree of D. D. S. Since his graduation he has been a member of the Faculty of the Louisville College of Dentistry (Central University of Kentucky). He is now Vice-President of the Faculty and Professor of Prosthetic Dentistry and Technics. He is an active member of the Falls Cities Dental Society. Member of the Kentucky State Dental Association since 1901; Secretary 1902 to 1912; Vice-President 1913; and President 1914. He is the author of a series of pamphlets on various dental subjects serving as guides to the study of these subjects for dental students. Has contributed articles to dental journals on the Use of Tin and Gold in Combination as a Filling Material. ADDRESS: 1035 Second near St. Catherine, Louisville, Kentucky.

HOWARD R. RAPER. Born in Chilicothe, Ohio, October 7, 1885. Educated in the Public and High School of Chilicothe, Ohio, and High real education took place in his father's office, the office of the editor of a small town daily newspaper, He obtained the degree of D. D. S. from the Indiana Dental College in 1906. He is Superintendent and Professor of Roentgenology, Materia Medica, Therapeutics and Operative Technic in the Indiana Dental College. Past dental surgeon to the Indiana School for the Feeble-Minded Youth, Fort Wayne, Ind. Vice-President of the Indianapolis Dental Society. Member: Indiana State Dental Association, National Dental Association, American Institute of Dental Teachers, Delta Sigma Delta Fraternity. Associate Fellow of the American Medical Association Section of Stomatology. Author of "Elementary Dental Radiography," "Treatment of Teeth" and "A Guide." Associate Editor of "The American Dentist." Inventor of the Raper Cotton Holder.—ADDRESS: Indiana Dental College, Indianapolis, Indiana.

RICHARD HENRI RIETHMULLER. Born in Erzingen, Germany, April 20, 1881. Graduated from the Royal Carls-Gymnasium, Heilbronn, 1895; Royal Theological Seminaries, Maulbronn and Blaubeuren, 1899; University of Grenable, France, 1900; Royal Eberhard Fellowship, University of Tubingen, 1901; University of Berlin, 1904; Harrison Research Fellow, University of Pennsylvania, 1905-6; Ph. D. University of Pennsylvania 1905; Medico-Chirurgical College of Philadelphia, D. D. S., 1913. Instructor in German 1905-7, Lecturer on German Literature 1907-9, University of Pennsylvania. Resigned to become connected with the staff of the "Dental Cosmos," conducting the department of "Review of Current Dental Literature." Demonstrator in the Dental Department of the Medico-Chirurgical College, Philadelphia, 1913. Member: Modern Languages Association of America; Philadelphia branch of Old German Students in America (sec.); Royal Society, Tubingen; Academy of Stomatology, Philadelphia; Federation Dentaire Internationale. Author: "Walt Whitman and the Germans," 1904; "Gleim's Imitations of the Middle High German Minnesong," 1905; Translation of

Fischer's "Dental Anesthesia," 1911.—ADDRESS: 7133 Cresheim Road, Germantown, Pa.

BYRON DARIUS RIVERS. Born in Union Co., Mississippi. Educated in the public and graded schools. Received the degrees of B. S. and A. M. from the University of Mississippi. Graduated from the Louisville College of Dentistry in 1901 with the degree of D. D. S. He is Professor of Oral Hygiene, Dental Embryology and Dental Pathology in the Louisville College of Dentistry (Central University of Kentucky). Member: National Dental Association, Kentucky State Dental Society, Jefferson County Dental Society.—ADDRESS: 968 Baxter St., Louisville, Ky.

WILLIAM A. ROLL. Born at Danvers, Minnesota, August 2, 1887. Graduate of Benson, Minn., High School, 1908. Received the degree of D. D. S. from the College of Dentistry, Univ. of Minnesota, 1911, where he is now Assistant Professor to the chair of Crown and Bridge Work. —ADDRESS: 521 Syndicate Bldg., Minneapolis, Minnesota.

S. C. A. RUBEY. Born in Louisiana, Missouri, May 29, 1866. He was educated in the public schools of Louisiana and of Macon, Mo., later attended the Cumberland University at Lebanon, Tenn. He began the study of dentistry in 1884 under a preceptor and entered the Dental Department of Vanderbilt University, from which he was graduated with the degree of D. D. S. in 1886. He was Secretary of the Missouri State Dental Association 1892-1897; Vice-President 1897, 1902; President 1903. When the State Dental Law was passed in 1897, he was appointed by Governor Stephens a member of the State Board of Dental Examiners and elected Secretary of the board. He was re-appointed in 1902 by Governor Dockery and in 1905 by Governor Folk and has served continuously as Secretary of the board. ADDRESS: 1017 New York Life Bldg., Kansas City, Mo.

JOSEPH E. SCHAEFER. Born in Muscatine, Iowa, July 3, 1885. Obtained his preliminary education in the St. Mary's Parochial School. Entered the Chicago College of Dental Surgery in

1905, and was graduated in 1907 with the degree of D. D. S. He entered the Chicago Kent College of Law in 1911 and was graduated in 1915 with the degree of LL. B. He is Professor and Head of the Department of Dental Jurisprudence and Associate Professor of Prosthetic Dentistry at the Chicago College of Dental Surgery (Valparaiso University). He is Librarian of the Chicago Dental Society, First Supreme Vice-President of the Xi Psi Phi Dental Fraternity, and President of the Chicago Alumni Association of the Xi Psi Phi Fraternity.— ADDRESS: 1747 W. Harrison St., Chicago, Ill.

WALTER H. SCHERER. Born in Newport, Kentucky, September 15, 1880. Graduated from the Newport High School. Obtained the degree of D. D. S. from the Ohio College of Dental Surgery in 1900. He is Vice-President of the Texas State Dental Association. Member: Psi Omega Dental Fraternity, National Dental Association, Chicago Dental Society, Illinois State Dental Society, Houston Dental Society.—ADDRESS: Scanlan Bldg., Houston, Texas.

HENRY H. SCHUHMANN. Born in San Francisco, California, in 1868. Received his early education in New York City public schools. Graduate of the Royal Academic College of Munich, Germany. Three years at the Royal Military Training School of Friedrichsdorf, Germany. Received his dental education at the Chicago College of Dental Surgery, the Dental Department of the University of Michigan (D. D. S. 1889), and the Haskell Post-Graduate School of Dentistry of Chicago. Was graduated from the Hahnemann Medical College of Chicago, 1893, receiving the degree of M. D. He is a member of the Chicago Dental Society, Illinois State Dental Society, National Dental Association, Chicago Medical Society, American Medical Association, Staff Member of Michael Reese Hospital, President of Chicago Dental Research Club, President of Public Service Commission of Chicago Dental Society, Member Supreme Chapter Delta Sigma Delta. He is the author of a number of essays on Infection, Immunity, and Immunizing Oral Foci of Infection; of Diabetes from the Standpoint of a Dentist; Pathogenic Disturbances in Connection with Oral Foci of Infection and Vaccine Therapy; Theories

and Practice of Vaccine Therapy.—ADDRESS: 25 E. Washington Street, Chicago, Illinois.

LOUIS SCHULTZ. Born in Bischweiler, Germany, April 15, 1867. Educated in Gymnasium. Graduated from the Chicago College of Dental Surgery in 1901 with the degree of D. D. S., and from the College of Physicians and Surgeons, Chicago, with the degree of M. D. He is Assistant Professor of Oral Surgery and Pathology in the College of Dentistry, University of Illinois. Member: Chicago Dental Society, Illinois State Dental Society, National Dental Association, Chicago Medical Society, Illinois State Medical Society, American Medical Association. Author of a paper on "Nitrous Oxide and Oxygen Anesthesia and Analgesia."—ADDRESS: 25 E.Washington St., Chicago, Ill.

WALLACE SECCOMBE. Born in Toronto, Canada, April 3, 1878. Received the degree of D. D. S. from the Royal College of Dental Surgeons of Ontario. He is now Superintendent and Professor of Preventive Dentistry and Dental Economics at the Royal College of Dental Sur-

geons; Chief Dental Officer of the Board of Education, Toronto; and Editor of "Oral Health."—ADDRESS: 229 College St., Toronto, Ont., Canada.

RICHARD M. SEIBEL. Born in the State of Illinois. Graduated from the Kansas City Dental College in 1898 with the degree of D. D. S. Ex-President of the Kansas City Dental Society, Odontographic Society, and Alumni Society of Kansas City Dental College. Deputy for Delta Sigma Delta Fraternity. Member of National Dental Association and Missouri State Dental Society.—ADDRESS: Bryant Bldg., Kansas City, Mo.

HARRY M. SEMANS. Born October 1, 1867. Graduated from the Ohio Wesleyan University in 1890 with the degree of B. A., and in 1897 with the degree of M. A. Received the degree of D. D. S. from the New York College of Dentistry in 1897. He is Dean and Professor of Operative Dentistry in the College of Dentistry, Ohio State University, since 1907. President of the American Institute of Dental Teachers 1915-1916. Member: Franklin County Dental Society, Northern Ohio Dental Society, Central Ohio Den-

tal Society, Ohio State Dental Society, National Dental Association. Author of numerous papers on procedures in operative dentistry.—ADDRESS: 710 N. Park St., Columbus, Ohio.

GEORGE MILLER SHARP. Born in Harrisburg, Pennsylvania, February 3, 1868. Educated in the District of Columbia public schools. Gratuated from the George Washington University, Dental School, in 1891 with the degree of D. D. S. Post-graduate course in the Dewey School of Orthodontia. He is Professor of Orthodontia in the George Washington University Dental School. He is a member of the District of Columbia Dental Society and National Dental Association.—ADDRESS: 815 Connecticut Ave., N. W., Washington, D. C.

WILLIAM FULLER SHARP. Born in Sacramento, Cal., September 21, 1866. Educated in the Oak Mound School, Napa, California. Graduated from the University of California, College of Dentistry, in 1890 with the degree of D. D. S. and from the Harvard University Dental School in 1891 with the degree of D. M. D. He held the

following positions in the College of Dentistry, University of California: Instructor in Anesthesia 1892-1894; Instructor in Operative Dentistry 1894; Lecturer on Mechanical Dentistry 1895-1898; Professor of Prosthetic Dentistry 1899-1913; Professor of Clinical Prosthodontia 1914 to date. Member: National Dental Association, California Sate Dental Association, San Francisco Dental Society, First District Dental Society of New York, Harvard Dental Alumni Association, Harvard Odontological Society, Delta Sigma Delta Fraternity, Masonic Fraternity.—ADDRESS: Union Square Bldg., San Francisco, California.

WILLIAM LETE SHEARER. Born in Fennimore, Grant County, Wisconsin. Educated in Omaha public and high schools. Graduated from the Dental Department of Omaha University with the degree of D. D. S. (1902) and from the Creighton Medical College with the degree of M. D. He is Professor of Oral Surgery in the Creighton Dental College. Oral Surgeon to Lord Lester Hospital, Consulting Oral Surgeon to St. Josephs Hospital. Visiting Oral Surgeon to Fennimore Hospital and Clarkson Hospital. Honorary member of Illinois

State Dental Society, South Dakota State Dental Society, and Colorado State Dental Society. Member of Nebraska State Dental Society, National Dental Association, and Clinical Congress of Surgeons of North America.—ADDRESS: City National Bank Bldg., Omaha, Nebraska.

RICHARD LEE SIMPSON. Born in Fincastle, Botetourt County, Virginia, April 21, 1873. Educated in public and private schools of his native town. He was graduated from a preparatory school in Montvale, Virginia, in 1891, receiving a scholarship which enabled him to attend the Washington and Lee University during the years 1891-1892. He next taught school for one year. In 1896 he was graduated from the Dental Department of the University of Maryland with the degree of D. D. S. He won six prizes out of seven at his graduation, one of them being for highest standing in a class of fifty-four. He was a member of the Virginia State Board of Dental Examiners from 1903 to 1905, when he was chosen Professor of Dental Surgery, Crown and Bridge Work in the University College of Medicine (now Medical College of Virginia), at Richmond, Va.

He is now Professor of Operative and Clinical Dentistry, and Dean of the School of Dentistry, Medical College of Virginia. In 1907 he received the honorary degree of Master of Arts from the Maryland University. He is the inventor of a composite crown pin; a system of chisels and pluggers; a gold casting device; a system of crowning teeth, known as Simpson's Hood Abutment; a method of making anatomically banded crowns (the hat brim method); a method for overcoming the spheroiding of molten gold; a method for making anatomically perfect shell crowns; and a method of making accurate saddle bridges. His lectures and clinics have been given in Connecticut, Massachusetts, Pennsylvania, Maryland, District of Columbia, Virginia, North Carolina, South Carolina, Alabama, Ohio, Missouri, and Canada. Member: Masonic Fraternity, Xi Psi Phi Fraternity, Richmond City Dental Society, Virginia State Dental Association, National Dental Association, Virginia Chemists Club, American Institute of Dental Teachers, National Association of Dental Faculties, Southwest Virginia Dental Society (one of organizers, and first secretary and treasurer).—ADDRESS: 301 E. Franklin St., Richmond, Va.

FRANK H. SKINNER. Born in Fond du Lac, Wisconsin, September 22, 1868. Educated in the Fond du Lac and Merrill, Wisconsin, public schools. Passed the Illinois State Board of Dental Examiners, March 22, 1894, and took the degree of D. D. S. in 1895 from the American College of Dental Surgery, which afterwards affiliated with the Northwestern University. He is a member of the National Dental Association, Illinois State Dental Society, Northern Illinois Dental Society, Fox River Valley Dental Society, and Nebraska State Dental Society. He has read a number of papers before State and National societies on Oral Prophylaxis and Pyorrhea work. He is the inventor of the Little Giant Post Puller, a few instruments used in oral prophylaxis, and Iodine Disclosing Solution for locating bacterial plaques on teeth.—ADDRESS: 25 E. Washington St., Chicago, Ill.

NATHANIEL G. SLAUGHTER. Born in Villa Rica, Georgia, April 24, 1883. Educated in Vila Rica High School. Graduated from the Dental Department of the Atlanta College of Physicians and Surgeons (now Emory University) with

the degree of D. D. S. in 1902. He is Vice Chairman, Lay Leader, and Assistant Superintendent of the Sunday School, First M. E. Church South. Director of the Young Men's Christian Association of Athens, Ga. He was Delegate to the Sixth International Dental Congress, London, 1914. Member of the Georgia State Dental Society and National Dental Association. Author of numerous papers read before dental societies.—ADDRESS: Athens, Georgia.

B. HOLLY SMITH. Born at Piscataway, Prince George County, Maryland, March 17, 1858. Tutored by his parents. Graduated from the Baltimore College of Dental Surgery in 1881 with the degree of D. D. S. Received the M. D. degree in 1883 from the College of Physicians and Surgeons, Baltimore, Md. He was Demonstrator of Anatomy and Materia Medica, and later Professor of Operative Dentistry and Oral Surgery in the Baltimore College of Dental Surgery. He was Professor of Dental Surgery as applied to Medicine, at the College of Physicians and Surgeons; also Honorary Professor of Dental Surgery, Georgetown University. He is now President of the Fac-

ulty and Professor of Dental Surgery and Operative Dentistry in the Baltimore College of Dental Surgery. He is Honorary Member of the Pennsylvania State Dental Association, the Texas State Dental Association, the Georgia State Dental Association, the North Carolina State Dental Association, the District of Columbia Dental Association, and the New Jersey State Dental Association. He is associate member of the Boston Academy of Stomatology, of the New York Odontological and Stomatological Societies, and is Honorary Member of the American Dental Society in Europe. He was a delegate to the *Federation Dentaire Internationale;* delegate to the International Dental Congress in Stockholm, 1894; a member of the American Committee on Organization of the Medical Congress of Paris, 1895; Chairman of the Reception Committee and Vice-President of the Lewis and Clark Dental Congress; and First Vice-President of the Jamestown Dental Convention. He is Secretary of the Executive Council of the National Association of Dental Faculties, and Member of the Executive Council of the National Dental Association. He is Chairman of the Oral Hygiene Council of Maryland. Member: Mary-

land Dental Association, Baltimore Dental Club, American Academy of Dental Science, American Academy of Dental Surgery, Delta Sigma Delta Fraternity. He is the author of numerous papers and extensive contributor to dental publications.—ADDRESS: 1007 Madison Ave., Baltimore, Md.

B. HOLLY SMITH, JR. Born in Baltimore, Maryland, August 21, 1885. Graduated in the Baltimore public schools and Jacob Tome Institute. Obtained the degree of A. B. from the Johns Hopkins University, and the degree of D. D. S. from the Baltimore College of Dental Surgery, 1908. He is Lecturer on Dental Ceramics in the Baltimore College of Dental Surgery. Member: Phi Gramma Delta and Delta Sigma Delta Fraternities, Maryland State and National Dental Associations.—ADDRESS: 405 North Charles St., Baltimore, Md.

EUGENE HANES SMITH. Born in Oldtown, Maine, October 23, 1853. Educated in the Allen English and Classical School, Newton, Mass. Graduated from the Harvard Dental School in 1874 with the degree of D. M. D. He is Dean of

the Faculty and Professor of Clinical Dentistry and Orthodontia since 1895 in the Harvard University Dental School. He is a member of the American Academy of Dental Science (President two terms), American Dental Association, Massachusetts Dental Society (Pres.), N. Y. Institute of Stomatology, Harvard Odontological Society, Dental Faculties Association of American Universities (Pres.) Author of numerous papers read before dental societies.—ADDRESS: 283 Dartmouth St., Boston, Mass.

HENRY TOMLINSON SMITH. Born in Cincinnati, O., January 24, 1866. Educated in the Woodward High School. Graduated from the Ohio College of Dental Surgery in 1888 with the degree of D. D. S. He is Dean of the Faculty and Professor of Dental Pathology and Therapeutics of the Ohio College of Dental Surgery, Cincinnati, since 1896; Treasurer of the Board of Trustees of same. Member of National, State and County dental societies, Cincinnati Natural History, medical and dental research societies. Editor "American Journal of Dental Science," Cincinnati. Regular contributor to dental journals.—ADDRESS: 116 Garfield Place, Cincinnati, Ohio.

GEORGE B. SNOW. Born in Sandusky, Ohio, August 28, 1835. Educated in the Buffalo High School. Graduated from the Pennsylvania College of Dental Surgery with the degree of D. D. S. He was active as a machinist, dentist, and manufacturer. He was Professor of Prosthetic Dentistry and Dean of the Dental Department, University of Buffalo. He is now Emeritus Professor of Prosthetic Dentistry. He is the inventor of the Snow Face Bow, the New Century Anatomical Articulator, Acme Articulator, Index Gas Regulator, Kerosene Regulator, Vulcanizers, Automatic Mallets, and numerous other devices. Member of the Buffalo Dental Society and Eighth District Dental Society.—ADDRESS: Long Beach, California.

BENJAMIN Q. STEVENS. Born on a farm in Marion County, Missouri, April 21, 1837. He was educated at home, his parents who have just come here from Chatham, England, not desiring him to go to school in this "wild country." He worked at the carpenter trade until 1860, when he began the study of dentistry with Dr. S. H. Anderson, of Hannibal, Missouri. He received the

honorary degree of D. D. S. from the Missouri Dental College in 1890. He was President of the Missouri State Dental Association in 1888. He has been a frequent essayist and clinician. His most instructive clinics were preparation of root canals and filling same permanently with wood points and gutta percha, also the proper use of the mouth mirror used in lieu of the operator trying to look directly into the cavity. He also earnestly advocated the use of the operating stool instead of the operator standing. He has been actively engaged in practice in Hannibal from 1860 to the present time.—ADDRESS: Hannibal, Missouri.

CHELSEA L. STORMS. Born in Buffalo, N. Y., March 4, 1879. Educated in Buffalo public schools and Colgate Academy, Hamilton, N. Y. Graduated from Colgate University, Hamilton, N. Y., in 1906 with the degree of A. B.; and from the Dental Department of the University of Buffalo in 1909 with the degree of D. D. S. He is member of the National Dental Association, New York State Dental Society and Eighth District Dental Society. He is affiliated with the follow-

ing High School and College Fraternities: Theta Phi Fraternity, High School National Fraternity, Beta Delta Beta Freshman Fraternity, Theta Nu Epsilon Sophomore Society, New York Epsilon Rhi Kappa Psi Fraternity, and Mu Chapter Xi Psi Phi Fraternity. Member of the National, State, and District Alumni Association of Xi Psi Phi Fraternity. Member of the Board of Directors, Xi Psi Phi Fraternity 1910-1916. Made Honorary Past Supreme President of Xi Psi Phi Fraternity at Minneapolis, Minn., 1914. Supreme Editor and Business Manager of Xi Psi Phi Fraternity 1910-1916.—ADDRESS: 153 E. Utica St., Buffalo, N.Y.

CLAYTON F. B. STOWELL. Born in Rochester, N. Y., July 13, 1873. Educated in the common and high schools, and Ferris Institute, Big Rapids, Michigan. Graduated from the University of Michigan, College of Dental Surgery, in 1905 with the degree of D. D. S. He was Demonstrator of Extracting and Anesthesia in the Northwestern University Dental School 1908-1914; Assistant Professor in Comparative Anatomy in same. He is Demonstrator of Extracting and Lecturer on Comparative Anatomy in the Chicago College of

Dental Surgery since 1915. He is a member of the Chicago Dental Society and the Illinois State Dental Association.—ADDRESS: 15 E. Washington St., Chicago, Ill.

BYRON HOWARD STROUT. Born in North Easton, Massachusetts, July 28, 1861. Educated in North Easton public and high schools. Graduated from the Boston Dental College in 1882 with the degree of D. D. S. He is Professor of Operative Technics in Tufts College Dental School, Boston, Mass. Member of the Massachusetts State Dental Society, Boston Dental Society and Tufts College Alumni Association.—ADDRESS: Taunton, Mass.

ALLEN HOLMAN SUGGETT. Born in Missouri, April 15, 1867. Educated in the Colusa County Schools, California. Obtained the degree of B. S. from the Pierce Christian College, and the degree of D. D. S. from the College of Dentistry, University of California, 1893. He is Professor of Orthodontics in the University of California since 1913. Member: American Dental Association, California State Dental Association, San

Francisco Dental Society, American Society of Orthodontists, Pacific Coast Society of Orthodontists. Contributor to current dental literature.—ADDRESS: 135 Stockton St., San Francisco, California.

ARTHUR LESSNER SWIFT. Born in Brooklyn, N. Y., December 25, 1861. Educated in the New York public schools. Graduated from the New York College of Dentistry in 1885 with the degree of D. D. S. He is Professor of Operative Dentistry and of Dental Pathology and Therapeutics in the College of Dental and Oral Surgery of New York. He was President of the First District Dental Society of N. Y. for two terms. He is a member of the National Dental Association, New York State Dental Association, and First Judicial District Dental Society of New York.—ADDRESS: 140 W. 57th St., New York, N. Y.

ALBERT E. SYKES. Born in New Zealand in 1874. Educated in the New Zealand grammar schools. Obtained the degree of D. S. (dental surgeon) at New Zealand in 1896. Graduated from the College of Physicians and Surgeons of San Francisco with the degree of D. D. S. in 1900.

He was Professor of Dental Mechanics and Clinical Dental Surgery in the College of Physicians and Surgeons of San Francisco, 1901-1902, and since 1902 he is Professor of Porcelain Dental Art. He is a member of the Alameda Dental Society.—ADDRESS: Union Savings Bank Bldg., Oakland, California.

WILLIAM HERBERT TAGGART. Born in Freeport, Illinois, March 23, 1855. Educated in the Freeport public schools. At the age of twelve he received a diploma from the County Fair Association at Freeport for the best piece of mechanism invented by a boy under sixteen years of age. His production was a complete steam engine patterned after a large one in a reaper factory. In 1873 he was employed in a dental office for board and lodging in Chicago. The first night after his engagement, while sleeping in the office, a patient suffering with toothache, in search of a dentist, woke him and he succesfully performed his first operation, much to the surprise of himself and his employer next morning. In 1878 he was graduated from the Philadelphia Dental College with the degree of D. D. S. After sixteen years of suc-

cessful practice at Freeport, he removed to Chicago in 1892 and entered upon general practice, specializing in porcelain art. His greatest work is that of the invention of the cast gold inlay in 1907. Many infringements on the rights of his invention have since occurred, against which he has brought several actions. A suit against a Chicago practitioner is still pending. Proofs are given that his method of casting had been used as early as 1896. He was President of the Illinois State Dental Society in 1890, and the first President of the Chicago Dental Society after its amalgamation with the Chicago Odontographic Society. He is an honorary member of the Odontological Society of New York City, the Second District Society of New York, and the Missouri State Dental Association. He gave frequent clinics before many societies throughout the country.—ADDRESS: 536 South Clark St., Chicago, Ill.

EUGENE SOLOMON TALBOT. Born in Sharon, Massachusetts, March 8, 1847. He is the descendant of an old English family resident in the United States for more than two centuries. He received a public school education, followed by

academic training at Stoughtonham Institute, until the age of sixteen years. He learned mechanics and at the age of nineteen became a master mechanic taking charge of the machinery of a Cuban sugar plantation. He was graduated from the Pennsylvania College of Dental Surgery in 1872 with the degree of D. D. S., and from the Rush Medical College in 1880 with the degree of M .D. He was in the belief that dentistry should occupy the plane it deserved as a specialty of medicine and, therefore, in 1831, secured three radical changes in the medical relations of dental surgery: Chairs on Dental and Oral Surgery were established in the five medical colleges of Chicago: the Section of Stomatology was created in the American Medical Association; the Chicago Dental Infirmary was established whereby the students were enabled to take a regular medical course of instruction, to have special dental instruction in the infirmary, and to be graduated in medicine. In 1881 he was elected Professor of Dental Surgery in the Chicago Medical College and in the Woman's Medical College, and Lecturer on Dental Pathology and Surgery in the Rush Medical College, when he accepted the latter two only.

He was a delegate to the Seventh International Medical Congress, London, 1881, and to the Ninth International Medical Congress, Washington, 1887. He was Honorary President of the Tenth International Medical Congress, Berlin, 1890, and of the Twelfth International Medical Congress, Moscow ,1897. Member of the Thirteenth International Medical Congress, Paris, 1900. Secretary of the Section on Dental and Buccal Surgery at the Pan-American Medical Congress, Havana, Clark Dental Congress, Portland, 1905. He was elected Fellow of the Chicago Academy of Medicine in 1892, also a member of the Chicago Academy of Sciences. He was elected an honorary member of the *Odontologisches Gesellschaft* of Berlin, Germany; the *Association Generale des Dentistes de France* of Paris, France; and *Sociedad Odontological Espanola* of Madrid, Spain. In 1901 he was elected corresponding member of the *Dansk-Tandlaegerforening*, and in 1904 honorary member of the Stomatology Society of Hungary. In 1907 he was made Vice-President of the American Medical Association; and in the same year a member of the First Congress of Stomatology, Paris; also Honorary President of the Inter-

national Congress of Stomatology. He has been Secretary of the Section on Stomatology of the American Medical Association (of which he was one of the founders) for more than twenty years. He was Secretary of the Dental and Oral Section of the Pan-American Medical Congress, Washington, 1893, and a member of the World's Columbian Dental Congress, Chicago, 1893. He is now a member of the Chicago Medical Society, the Illinois State Medical Society, and the American Medical Association. In recognition of his work he received the honorary degrees of M. S. and LL. D. He is one of the most prolific writers, having published over one hundred papers, all the result of original research and investigation. He has devised several useful appliances in dentistry. Among these are a screw post for crowning roots, a three-cornered pulp canal reamer, a hot-air apparatus for making celluloid plates, a number of appliances for regulating teeth, and combinations of drugs used in the treatment of teeth.—ADDRESS: 31 North State St., Chicago, Ill.

HUGH G. TANZEY. Born in Paris, Missouri, February 28, 1879. Educated in Country School and Paris High School. Graduated from the Western Dental College, Kansas City, Mo., in 1901 with the degree of D. D. S., and from the International School of Orthodontia, St. Louis, 1907. He is Associate Professor of Orthodontia in the Western Dental College, and Professor of Orthodontia and Secretary of the International School of Orthodontia. Member: Kansas City Dental Society, Missouri State Dental Society, National Dental Association, Black Study Club, Xi Psi Phi Fraternity.—ADDRESS: Commerce Bldg., Kansas City, Mo.

DAVID R. TAYLOR. Born at Eldon, Missouri, February 15, 1883. Educated in the public and high schools of his native city. Graduated from the Western Dental College with the degree of D. D. S., 1907. Practiced in Honey Grove, Texas, till 1912, when he came to New York City, taking post-graduate work and doing active work at the Dentinol and Pyorrhocide clinic for 3 weeks. He then located in Kansas City, Mo., becoming Demonstrator in the Infirm-

ary of the Western Dental College. He is now instructor in crown and bridge work in the same institution. Member: National Dental Society, Missouri State Dental Society, Kansas City Dental Society, Black Study Club, and Western Dental Society.—ADDRESS: 817-819 Gloyd Bldg., Kansas City, Mo.

CHARLES K. TETER. Born in Westfield, Indiana, in 1875. Educated in Westerville High School and Otterbein University, at Westerville, O. Graduated from the Dental Department of the Ohio Medical College in 1900, receiving the degree of D. D. S. He is the inventor of the Teter Nitrous Oxide and Oxygen Apparatus, Teter Nasal Inhaler, Teter Positive Pressure Pharengeal Inhaler, Teter Vapor Warmer, Teter Ether Accurate Dosage Apparatus and the Teter Nitrous Oxide and Oxygen Obstetrical Apparatus. He gave a Post-Graduate course of lectures on Nitrous Oxide and Oxygen Anesthesia and Anelgesia at the College of Dentistry of the University of California, January, 1914. He presented a paper on Nitrous Oxide and Oxygen before the International Congress of Medicine, London, 1913;

a paper on Nitrous Oxide and Oxygen for the Extraction Operation before the International Dental Congress, London, 1914; and has read papers before numerous Dental and Medical Associations. His practice since 1903 is limited to the administration of anesthetics, oral surgery, and extraction of teeth. He is the Chief Anesthetist at St. Luke's Hospital since 1909. He is ex-President and member of the National Association of Anesthetists, member of the New York Society of Anesthetists and of the Interstate Anesthetists Association. Member of the International Medical Congress, American Medical Association, and Cleveland Academy of Medicine. Member of the International Dental Congress, National Dental Association, Ohio State Dental Association, Cleveland Dental Society, and National Mouth Hygiene Association.—ADDRESS: Rose Building, Cleveland, O.

HENRY H. THACKER. Born in Donnellson, Illinois, in 1876, where he received a common school education. For several years he taught school in both the rural districts and city schools. He received his college education in the University of Valparaiso, Danville College, and the Ind-

iana Dental College. He holds the following degrees: B. S., A. B., Ph. G., and D. D. S. He was Professor of Operative Dentistry in the Chicago College of Dental Surgery 1911-1912. He is a member of the National Dental Association, Indiana State Dental Association, and the P. G. C. Hunt Association. He is now at work on the compilation of a Dental Therapeutics and Materia Medica. ADDRESS: Brazil, Indiana.

EMIL F. THOLEN. Born at Port Washington, Wisconisin, April 14, 1880. M. D., Rush Medical College, 1903; D. D. S., College of Dentistry, University of Southern California, 1914. Associate Prof. of Oral Surg. Coll. of D., University of Southern California. Practice limited to Surgery of the Mouth, Nose, and Throat.—ADDRESS: Brockman Building, Los Angeles, Cal.

GEORGE K. THOMSON. Born in New Castle, New Brunswick, Canada, March 26, 1870. Educated in the High School Academy of New Castle. Studied pharmacy and practiced as a pharmacist for some time. Graduated from the Philadelphia Dental College in 1892 with the degree of

D. D. S. He is Professor of Crown and Bridge Work, Ceramics and Oral Hygiene in the Dental Department, of Dalhousie University, Halifax, Nova Scotia. President of the Nova Scotia Dental Association. Chairman of the Oral Hygiene Committee of the Nova Scotia Dental Association. Secretary and Registrar of the Nova Scotia Board of Dental Examiners. Registrar of the Canadian Dental Association, P ovincial Representative of the Canadian Dental Association and Dominion Dental Council. Secretary of the Maritime Dental Association, Representative of the Canadian Dental Association and Dominion Government to the International Dental Congress, 1914. Officer in 63rd Rifles, Army Medical Services. Captain in Canadian Army Dental Corps, Officer in charge of Dental Services Sixth Division, Chairman of the Committee on "Army Dental Services of the Canadian Dental Association. Member of the choir St. Paul's Church, Halifax. Member of I. O. O. Fellows. Active member in the New Brunswick and Nova Scotia Pharmaceutical Societies, Canadian Oral Prophylactic Association, and National Dental Association.—ADDRESS: Chronicle Bldg., Halifax, Nova Scotia.

BURTON LEE THORPE. Born June 29, 1871. Graduated from the Western Dental College, 1895, degree D. D. S.; Barnes University, 1904, degree M. D. President National Dental Association, 1909-1910. Supreme Grand Master, Supreme Chapter Delta Sigma Delta Fraterntiy 1914-1915. President Missouri State Dental Association, 1901-1902. Appointed by Governor A. M. Dockery a member of the Missouri State Board of Dental Examiners for seven years, and President of same, 1903. Elected President of the National Association of Dental Examiners 1903, but resigned to become first Dean and Professor of Operative Dentistry and Dental History of the Barnes Dental College, a position he held for two and a half years. President of the St. Louis Society of Dental Science, 1905. Associate Editor of "The Dental Brief," 1904-1914. Originator and organizer of the plan to hold the Fourth International Dental Congress, St. Louis, 1904, of which he was a member of the Committee on Organization. The Universal Exposition Company conferred a commemorative diploma and gold medal on him for the important service he rendered in this connection. He was elected Assistant Secre-

tary of the International Dental Federation, 1904-1919, and one of a committee of five delegates to the same, representing the National Dental Association, to assist in organizing the fifth (Berlin) and sixth (London) International Dental Congresses. He was originator of the Jamestown Dental Convention of 1907 and Chairman of its committee on organization. He was organizer and first Grand Master of the St. Louis Auxiliary Delta Sigma Delta Fraternity. Member: American Medical Association, St. Louis Society of Dental Science, St. Louis Dental Society, Missouri State Dental Society, National Dental Association. Honorary Member of the Kansas, Colorado, Virginia, Ohio, Iowa, Tennessee, and Southern Illinois Dental Societies. Honorary Member L'Association Generale des Dentistes de France, and Corresponding Member of the Central-Verein Deutscher Zahnaerzte of Germany. From his entrance into dentistry he became interested in the profession's history and spent his odd moments in collecting historical data, photographs and relics of the past. In 1902 he began a series of biographical sketches on the pioneers of American Dentistry, published monthly in " The Dental Review," appearing until 1904,

then appearing monthly until 1909 in "The Dental Brief." He is the author of a 681 page volume on "Biographical History of Pioneer American Dentists and Their Successors," and of a volume of biographies on "The Founders and ex-Presidents of the Missouri State Dental Association." He is one of the best known authorities on dental history, and has served in various capacities relating to this branch in dental surgery. He was Secretary of the Committee on History of the National Dental Association; Secretary of the International Dental Federation Commission on the History of Dentistry; Chairman of the Committee on History of the Missouri State Dental Association; and member of the St. Louis Medical History Club, and of the Fourth International Dental Congress Committee on History.—ADDRESS: 3605 Lindell Boulevard, St. Louis, Missouri.

HARRY BRYANT TILESTON. Born in Evansville, Indiana, January 10, 1860. Educated in public and high schools. Graduated from the University of Michigan, College of Dentistry, in 1882 with the degree of D. D. S., and from the Hospital College of Medicine, Louisville, Ky.,

with the degree of M. D. He is President of the Faculty and Professor of Operative Dentistry and Dental Pathology of the Louisville College of Dentistry (Central University of Kentucky). He was elected First Vice-President of the National Dental Association, 1916. Ex-President: Kentucky State Dental Society, Jefferson County Dental Society, National Association of Dental Faculties, National Association of Dental Teachers. Member: Jefferson County Dental Society, Kentucky State Dental Society, National Dental Association, First District Dental Society of New York, Delta Sigma Delta Fraternity. Author of a Quiz-book on Operative Dentistry and Pathology and of numerous papers.—ADDRESS: Starks Bldg., Louisville, Ky.

EDWARD A. R. TORSCH. Born in West Prussia, Germany, in 1886. Brought to the U. S. during infancy. Educated in the public schools of Louisville, Kentucky. Graduated from the Central University of Kentucky, College of Dentistry, Louisville, in 1908, receiving the degree of D. D. S. He is Prof. of Dental Anatomy and Ceramics, and Adjunct Professor of Prosthetic Dentistry at

the Louisville College of Dentistry. He was elected Secretary of the Kentucky State Dental Association in 1914, and President in 1915, which office he still holds. He was appointed by the President of the National Dental Association as Secretary-Treasurer of the Local Committee of Arrangements for the National Meeting to be held in Louisville, Ky., July 25-28, 1916. He was Secretary-Treasurer, Vice-President, and now for the past two years President of the Alumni Association of the Louisville College of Dentistry. He is President of the National Brotherhood of the German Evangelical Synod of North America. He has contributed articles and papers to various periodicals on dental and general topics, and is now Associate Editor of "The American Dentist." He is a frequent clinician and has exhibited a number of original methods on subjects relating to dental prosthesis.—ADDRESS: 714 Starks Building, Louisville, Ky.

MARCUS L. WARD. Born in Howell, Michigan, in 1875. Educated in the public schools of Michigan with special University preparation at the Fenton Normal School, Fenton, Mich. Grad-

uated from the Dental Department of the University of Michigan with the degree of D. D. S. in 1902, and with the degree of D. D. S. in 1905. He is Professor of Applied Physics and Chemistry and of Crown and Bridge Work in the College of Dental Surgery, University of Michigan. Member of National, State and County dental societies. He is the author of the Section on "Plastic Filling Materials" in the American Text-Book of Operative Dentistry. Contributor to current literature. —ADDRESS: 703 East University Ave., Ann Arbor, Michigan.

GEORGE WASHINGTON WARREN. Born in Ocean County, New Jersey, January 7, 1863. Educated in the country schools and Peddie Institute, Hightstown, N. J. Graduated from the Pennsylvania College of Dental Surgery in 1887 with the degree of D. D. S. He was Chief of the Clinical Staff in the Pennsylvania College of Dental Surgery for ten years. Professor of Clinical Dentistry and Oral Pathology 1898-1909. He is the author of "Dental Pathology and Dental Medicine," "Dental Prosthesis and Metallurgy." Edited two editions of Richardson's "Mechanical

Dentistry;" Assistant Editor of the "International Dental Journal," 1883-1901—ADDRESS: 1611 Walnut St., Philadephia, Pa.

CLARENCE JACKSON WASHINGTON. Born in Somerville, Tennessee, in 1866. Educated in public and private schools. Obtained the degree of B. S. from the University of Tennessee and the degree of D. D. S. from the Vanderbilt University in 1892. He is Professor of Dental Pathology and Therapeutics in the College of Dentistry, University of Tennessee. Member: Memphis Dental Society, Tennessee State Dental Society and National Dental Association. Honorary member of the Mississippi State Dental Association.—ADDRESS: Exchange Bldg., Memphis, Tenn.

THOMAS SOLLERS WATERS. Born in Montgomery County, Maryland, in 1844. Graduated from Calvert College, Maryland, and from the Baltimore College of Dental Surgery, 1865, with the degree of D. D. S. He is Professor of Clinical Dentistry in the Baltimore College of Dental Surgery. He was President of the National Board of Dental Examiners. He is hon-

orary member of the New Jersey State Dental Society. Member of Maryland State Dental Society and National Dental Association.—ADDRESS: 756 North Eutaw St. Baltimore, Md.

LEUMAN M. WAUGH. Born in New Dundee, Waterloo County, Ontario, Canada, March 6, 1877, removing with parents to Rochester, N. Y., in 1888. Educated in the public schools of Berlin, Canada, and in the Rochester Free Academy, later attending the King Seminary, Rochester, N. Y. He was graduated from the University of Buffalo, Dental Department, in 1900 with the degree of D. D. S. He was Professor of Histology in the University of Buffalo, Dental Department, 1901-1903, and Professor of Histology and Pathology from 1903 to 1914. He is a member of the National Dental Association, Dental Society of the State of New York, and the Dental Society of the First Judicial District of N. Y. He is the inventor of a Radiographic apparatus, specially suited to the needs of dental practice, named the "Waugh Radiographic Unit."—ADDRESS: 576 Fifth Ave., New York, N. Y.

BERNHARD WOLF WEINBERGER. Born at Idaho Springs, Colorado, June 5, 18—. Educated at East Denver High School, Denver, Colorado. Graduated from the University of Pennsylvania, School of Dentistry, with the degree of D. D. S. Post-graduate course Angle School of Orthodontia. Librarian, First District Dental Society, N. Y., Secretary-Treasurer 1910-1912. Librarian, since 1912, Eastern Association of Graduates of the Angle School of Orthodontia. Historian of the Alumni Society of the Angle School of Orthodontia, 1911. Member: National Dental Association, New York State Dental Society, First District Dental Society of N. Y., Alumni Society of the Angle School of Orthodontia, Eastern Association of Graduates of the Angle School of Orthodontia, Supreme Chapter Delta Sigma Delta Fraternity, Sigma Epsilon Delta Fraternity, Industry Lodge No. 131 F. and A. M. Philadelphia, B. P. O. Elks No 1. Author of "History of Orthodontia" and a number of papers on Orthodontia. Clinics before different State and National Dental Societies.—
ADDRESS: 40 E. 41st St., New York, N. Y.

AMOS S. WELLS. Born in Newberry, South Carolina, in 1876. Educated in the Newberry Common Schools and Newberry College Preparatory School. Graduated from the Newberry College with the degree of A. B., and from the University of Minnesota, College of Dentistry, with the degree of D. D. S., 1906. He is Associate Professor of Crown and Bridge Work in the University of Minnesota, Minneapolis, Minn. Member: Minneapolis District Dental Society, Minnesota State Dental Society, National Dental Association, National Dental Protective Association, Delta Sigma Delta Fraternity.—ADDRESS: Berkeley Hotel, Minneapolis, Minnesota.

CHARLES WIETHOFF. Born in Minneapolis, Minnesota, February 18, 1887. Eduated in the North High School of Minneapolis. Graduated from the University of Minnesota, College of Dentistry with the degree of D. D. S. He is Associate Professor of Crown and Bridge Work in the University of Minnesota. Member of District State and National Dental Societies.—ADDRESS: Donaldson Bldg., Minneapolis, Minn.

GORDON WHITE. Born in Pulaski, Giles County, Tennessee. Eduacted at Giles Military College. His father, Dr. Thomas Cathy White, a prominent physician and surgeon, had, while at college, given study also to Dental Surgery and later carved out of wood four models of individual forceps which were made by Frank Arnold and Sons about 1847, and were possibly the first individual forceps used by the profession. Realizing the great need of scientific and skillful dentistry the father desired his eldest child to prepare himself to practice Dental Surgery, so from the time of the father's death, when the boy was eleven years of age, his education was directed to that end. His professional training, begun by private preceptors, was completed by the full course at Old Baltimore College where he won the largest vote of the Faculty on his graduation in 1879. Notwithstanding his youth he was offered a position in the College. Declining this offer, he located at Nashville, Tennessee, where he has been in active practice ever since. His professional activities have perhaps been most manifest in the treatment of Pyorrhea Alveolairs and Orthodontia. He became President of the Tennessee State Dental Association in 1889. In 1892

he was made President of the Southern Dental Association. In 1900 he was the Southern representative from the National Dental Association, appointed by the U. S. Government to the Medical and Dental Congress at Paris, France; and in 1902, he was a delegate from the National Dental Association to the International Congress at Stockholm, Sweden. In 1904 the International Dental Federation made him a delegate to the International Dental Congress at St. Louis, and he was also one of the Honorary Presidents of that Congress. He is a member of the following organizations: Sigma Delta Fraternity, Nashville Society of Dental Surgery, Nashville Academy of Medicine, Tennessee State Medical Association, American Dental Association, American Medical Association, First District Dental Society of New York, and Honorary Member of the American Dental Society of Europe. He has read papers before the Dental and Medical Associations, and has given a number of lectures at college, though he has never been connected with any teaching institution. A number of little instruments invented by him are in use by the profession. His writing has been confined to the papers read before the various associations. ADDRESS: 610½ Church St., Nashville, Tenn.

WILLIAM A. WHITE. Born in Albany, N. Y., September 14, 1857. He never attended school, excepting four winters in the village school of Redwood, Jefferson Co., N. Y. He was graduated from the Baltimore College of Dental Surgery in 1881 with the degree of D. D. S. He is a member of the New York State Board of Dental Examiners, having served five years and re-elected for four years, ending August 1, 1919. He was Consultant and Lecturer on Oral Hygiene, New York State Department of Health. Member: National Dental Association, Seventh District Rochester City Dental Society, and New York State Dental Society, serving the latter as Secretary five years and President one year.—ADDRESS: Phelps, N. Y.

ARTHUR C. WHITLEY. Born in St. Louis, Mo., September 21, 1887. Educated in the public schools and graduated from the High School of St. Louis. Received the degree of D. D. S. from the St. Louis University Dental School, 1910. He is Demonstrator of Operative Dentistry and in charge of the Dental Infirmary at the St. Louis University Dental School. Member of the St.

Louis Dental Society, ex-Secretary-Treasurer and now 3rd Vice-President of the St. Louis Dental College Alumni Association.—ADDRESS: West St. Louis Trust Building, St. Louis, Mo.

CLARENCE F. WILLIAMS. Born in Bedford, Lawrence Co., Indiana, September 6, 1869. Attended public school in Bedford, and High School in Terre Haute, Indiana. Graduated from Indiana Dental College (University of Indianapolis), 1891, receiving the degree of D. D. S. He is now a member of the State Board of Dental Examiners of Indiana. Member: Indiana State Dental Society, National Dental Association, Indianapolis Dental Society, Western Indiana Dental Society, Northern Indiana Dental Society.—ADDRESS: Star Bldg., Terre Haute, Ind.

JAMES LEON WILLIAMS. Born in Concord, Somerset Co., Maine, April 21, 1852. He lived on his father's farm until the age of sixteen. Up to that age his only school education was obtained at the "little red school house," which at that time was a feature of every New England community. He later attended two years at a high

school, followed by two or three terms at Oak Grove Seminary. While a student in the latter some one gave him a Chicago paper in which a money prize was offered for the best original poem written by a native American, open to all competitors under twenty-one years of age. He promptly sent in his contribution of about fifty lines on "The Voyage of Life." He was greatly astounded some weeks later to receive the announcement that he had been awarded the first prize, accompanied by a very complimentary prediction as to his future career. He began the study of dentistry in the nineteenth year under a preceptor whom he later succeeded. He had been in practice about six years before he had saved one hundred dollars, and when he had this sum in bank he invested it in a microscope, much to the disgust of his family and friends. At this time Dr. Garretson's "Oral Surgery" took highest rank as a text book in dentistry. He had not been working many months over his microscope before he became convinced that Garretson's theory of the development of the teeth was wrong. After about two years of this microscopic work, he published his first article on the subject of the development of the teeth in "The Dental Cosmos."

Similarly later he wrote a series of articles on Crown and Bridgework, the first which had appeared on this, at that time, new system of prosthetic dentistry. During that time (in 1884) he took the examination of the Baltimore College of Dental Surgery, and received the degree of D. D. S. He later went to England and there qualified himself to practice by taking the degree of L. D. S. from the Royal College of Surgeons of Ireland. Among his writings is a large work under the title of the "Home and Haunts of Shakespeare." He reviewed and thoroughly revised Bodecker's "Anatomy and Pathology of the Teeth." This was followed with a four years' study of the development, formation and pathology of enamel, with the aid of a most complete and perfect outfit for microscopic work. The result of this work was embodied in the papers presented before the Royal Society of Great Britain and the Odontological Society of New York. They have been copied into nearly all the text books dealing with such subjects that have since appeared, and as further recognition of the value of the work, he has been made an honorary member of many of the leading dental societies of the world, including the Odon-

tological Society of New York and the *Societe Odontologique de France.* He was Editor of "The Dentist," published in London, until failing health compelled him to give it up. He has also highly distinguished himself as an artist and oil painter. He has made illustrations for his book "Sicily, Land of the Departed Gods and Old Romance," and outdoor photographic illustrations for Irving's "Legend of Sleepy Hollow."—ADDRESS: Salem, Indiana.

W. EARL WILLMOTT. Born in Milton, Ontario, Canada, June 8, 1865. Educated in the Toronto Model School and Collegiate Institute. Graduated from the University of Toronto with the degree of D. D. S., 1889, from the Philadelphia Dental College, D. D. S., and the Royal College of Dental Surgeons of Ontario, L. D. S., 1839. He was on the teaching staff of the Royal College of Dental Surgeons of Ontario for twenty-five years, and is now Clinical Professor of Prosthetic Dentistry and Professor of Materia Medica and Pharmacology. He is Presiding Examiner of the Board of Dental Examiners of Ontario. He was member of the Executive Committee, Secretary,

Vice-President, and President, respectively, of the American Institute of Dental Teachers. He is member of the Toronto Dental Society (President twice), member of the Ontario Dental Society and of the Canadian Dental Association. Member of Methodist Church of Canada; 15 years member Toronto Conference Methodist Church; 3 quadrenniums member General Conference Mehodist Church; 13 years member Sunday School and Young Peoples Societies Board of Methodist Church.—ADDRESS: 96 College St., Toronto, Ontario, Canada.

JAMES W. WINN. Born in Clarksville, Tennessee, September 21, 1877. Educated in a country school near Clarksville and Union University, Jackson, Tenn. Graduated from the College of Dentistry, University of Tennessee, in 1903 with the degree of D. D. S. He is Lecturer on Dental Ethics, Jurisprudence, Economics and History in the Dental Department of Vanderbilt University. Member: Nashville Dental Society, Nashville Academy of Stomatology, Tennessee State Dental Association (Treasurer since 1914), and National Dental Association.—ADDRESS: 217½ Fifth Ave., N., Nashville, Tenn.

A. L. WOOD. Born in Wyocena, Wisconsin, May 2, 1868. Educated in the common schools, and Northern Indiana Normal College, degree B. S. Graduated from the Dental Department of the University of Illinois, 1905, degree D. D. S. Ex-President Columbia County Dental Society. Member: Wisconsin State and National Dental Societies.—ADDRESS: State Bank Bldg., Pardeeville, Wis.

WALLACE WOOD, JR. Born in New Orleans, Louisiana, May 13, 1870. Graduated from the New Orleans High School in 1887. Entered the Academic Department of Tulane University. Graduated from the Philadelphia Dental College in 1892, receiving the degree of D. D. S. He is Dean and Professor of Operative Dentistry, Chief of Clinic and Radiologist at the School of Dentistry, Tulane University of Louisiana. Delegate to Panama Pacific Dental Congress and National Dental Association, San Francisco, 1915. Ex-President Louisiana State Board of Dental Examiners. Vice-President National Association of Dental Examiners, 1914-1915. Ex-Vice-President and Secretary Louisiana State Dental Society. Member Garrison

Society of Philadelphia, and member of local and State Dental Societies. He is a frequent contributor to current dental journals. He is the inventor of Wood's nine part Dental Engine Hand Piece.—ADDRESS: 1817 Carrollton Ave., New Orleans, Louisiana.

FRANK WOODBURY. Born in Wilmot Springs, Nova Scotia, in 1853. Son of Francis Woodbury. Educated in High School and Mt. Allison University, Sackville, New Brunswick. Graduated from the Pennsylvania College of Dental Surgery in 1878 with the degree of D. D. S. Practiced in Babylon, N. Y., 1878-1884, and since 1884 in Halifax, N. S. He is Dean of the Faculty of Dentistry, Dalhousie University, Halifax, N. S. Professor and Examiner in Prosthetic Dentistry and in History, Ethics and Jurisprudence. Representative of Nova Scotia to the Dominion Dental Council of Canada. Member of the Provincial Dental Board of Nova Scotia. Member of the Board of Regents of Mt. Allison University, Sackville, N. B. Director of the Deaf and Dumb Institution. Vice-President of the American Institute of Archeology, Halifax. Member of the Executive

of the World's Sunday School Association. Life member of the International Sunday School Association. Member of Methodist Church.—ADDRESS: 318 Pleasant St., Halifax, Nova Scotia.

ALBERT M. WRIGHT. Born in Granville, Washington County, N. Y., August 26, 1848. Educated at the little "Red School House" and Cambridge Academy. He was graduated from the University of the State of New York with the degree of Master of Dental Surgery. He is a member of the New York State Board of Dental Examiners for twenty-two years, and is now President of the Board. He is ex-President of the New York State Dental Society. Member: Atkinson Dental Club of Albany, Troy Third District Dental Society, National Dental Association, New York State Dental Society, Troy Scientific Association, Troy Microscopical Society.—ADDRESS: 4 St. Paul Place, Troy, N. Y.

CHARLES E. BARTON ADDIE. Born in London, England, December 11, 1880. Educated in the public schools of Sydney, Australia. Graduated from the Philadelphia Dental College, Temple University, in 1912 with the degree of D. D. S. Dental Surgeon, Western Australia, 1903. He is Instructor and Lecturer on Crown and Bridgework in the Philadelphia Dental College, also assistant to the chair of Orthodontia.—ADDRESS: 1300 North 29th St., Philadelphia, Pa.

H. L. AMBLER. Born in Medina, Ohio, September 10, 1843. Educated in William W. Ross' private school, Spencer, Ohio. Graduated from Hillsdale College, Hillsdale, Mich., in 1864 with the degree of M. S., from the Ohio College of Dental Surgery, Cincinnati, Ohio, in 1867 with the degree of D. D. S., and from the Cleveland Hospital College, Cleveland, Ohio, in 1868 with the degree of M. D. He introduced Cataphoresis in Cleveland in 1895. Invented the Left Hand Assistant for the operator to use in holding the first pieces of gold or tin when working with the hand mallet. Cylinder Roller in shape of a small tuning-fork. Ambler's drills for the dental engine.

Wooden Awning Window Blind, patented in 1878. Metal Table Markers, patented in 1897. Introduced Filo-silk, Japanese silk floss, to the profession in 1872, to be used in place of the ordinary floss. Set of knives for dental use. He is the author of "Around the World Dentistry," "Facts, Fads and Fancies About Teeth," "Tin Foil and Its Combinations for Filling Teeth," "History of Dentistry in Cleveland, Ohio," and "History of the Northern Ohio Dental Association, 1857-1907." The following is a list of articles he published:

"Dental Hygiene," DENTAL REGISTER, 1869.

"Teeth and Their Preservation," OHIO FARMER, 1871.

"A Visit to Mammoth Cave," OHIO FARMER, 1872.

"Care of the Teeth," HOUSE AND GARDEN, 1872.

"Phrenology and Dentistry," DENTAL REGISTER, 1872.

"Mercurius Vious," DENTAL REGISTER, 1873; HARMONY, 1895.

"Filling Teeth with Tin," DENTAL REGISTER, 1876.

"Infection," OHIO DENTAL JOURNAL, 1892.

"Tin Foil for Filling," OHIO DENTAL JOURNAL, 1893.

"Nodules on Apex of Root," OHIO DENTAL JOURNAL, 1896.

"Electricity and Cataphoresis," OHIO DENTAL JOURNAL, 1896.

"Cataphoresis," OHIO DENTAL JOURNAL, 1896.

"Cataphoresis," WESTERN DENTAL JOURNAL, 1896.

"Systemic Remedies," OHIO DENTAL JOURNAL, 1896.

"Bactericidal Action of Electricity," OHIO DENTAL JOURNAL, 1897.

Care and Preservation of the Teeth," WOMAN'S SUNSHINE, 1897.

"Tin Foil," TRANSACTIONS N. J. STATE DENTAL SOCIETY, 1897.

"Old and New Methods of Ex-section Superior Maxillary Nerve," OHIO DENTAL JOURNAL, 1898.

"Filling Teeth of Children with Tin Foil," OHIO DENTAL JOURNAL, 1898; AMERICAN DENTAL WEEKLY, 1898.

"Care and Preservation of Children's Teeth," INFORMATION, 1898.

"Dental College Abroad," OHIO DENTAL JOURNAL, 1899.

"Best Material for Filling Children's Teeth," DENTAL COSMOS, 1899.

"Biography of Will Carleton," HOME MONTHLY, 1899.

"Something About Teeth," HOME MONTHLY, 1900.

"Care of the Teeth of the Poor," DENTAL COSMOS, 1904.

"Dental Prophylaxis," HOW TO LIVE, 1904.

"Tin, History and Uses," DENTIST'S MAGAZINE, 1906.

"Dental Prophylaxis," JOURNAL OF PUBLIC HEALTH, 1906.

"History of Cataphoresis," DENTIST'S MAGAZINE, 1907, 1908.

"Dentistry in Foreign Lands," DENTIST'S MAGAZINE, 1908.

"Travelog: The Mediterranean and the Orient," Cleveland Dental Society and West Virginia Dental Society, 1908.

"Earliest Dentistry in U. S.," DENTAL SUMMARY, 1909.

"Dental Laws of Foreign Lands," DENTAL DIGEST, 1911.

"Wild Men of Borneo," Cleveland LEADER, 1911.

"Civic Requirements for Aliens to Practice Dentistry in Foreign Lands," DENTAL DIGEST, 1912.

"Travelog: Around the World Dentistry," New Jersey State Dental Society, 1912.

He is the author of the chapter on "History of Dental Prosthesis" in Koch's HISTORY OF DENTAL SURGERY, 1908. He was Lecturer in the Cleveland Homeopathic College in 1868-9-70-71. He is Critic for the Cleveland Dental Society since 1904. He was Dean of the Dental Department of Western Reserve University, Cleveland, Ohio, and Professor of Operative Dentistry, Dental Hygiene and Dental History. Member: National Dental Association, Ohio State Dental Association, Cleveland City Dental Society, West Virginia Dental Society. Committee on History, National Dental Association.—ADDRESS: Rose Bldg., Cleveland, O.

JOHN S. BAGNALL. Born in Prince Edward Island, December 9, 1851. Educated in the district school and Prince of Wales College. Attended the

Philadelphia Dental College 1874-75. Graduated from the Boston Dental College in 1878 with the degree of D. D. S. He was one of the originators of the Dominion Dental Council and was representative to the Council of the Province of Prince Edward Island since its organization. He is now Second Vice-President of the Dominion Dental Council. He was Secretary, Registrar, and Treasurer of the Prince Edward Island Dental Association.—ADDRESS: 122 Richmond St., Charlottetown, P. E. I., Canada.

RALPH R. BYRNES. Born in Cincinnati, O. June 5, 1879. Educated in high school and business college of Savannah, Ga. He became identified with the Georgia Railway and Ocean Steamships Co., of Savannah in the capacities of clerk, bookkeeper, accountant, chief clerk to the Comptroller, and head of Agency Accounts. From the latter position he resigned to become General Secretary and Executive Officer of the Scottish Rite of Freemasonry in Georgia and South Carolina, having previously taken all the degrees of this and the York Rite of Freemasonry, and presided as the youngest Master of the oldest continuous blue lodge

in America. From the position of General Secretary he resigned to take up the study of dentistry. He was graduated with the degree of D. D. S., from the Dental Department of Vanderbilt University, Nashville, Tenn. He took a post-graduate course in General Anethesia. In 1912 he was elected to the faculty of his alma mater, serving as Secretary of the Dental Department. Instructor in Clinic, and Assistant to the chair of Oral Surgery. In 1915 he resigned to accept his present position of Superintendent of the School of Dentistry and Professor of Operative Technics in the Medical college of Virginia, at Richmond, Va. From the time he was eighteen years of age he was prominently identified with musical circles, having been baritone soloist for twelve years in the First Presbyterian Church at Savannah, Ga., holding simultaneously similar positions in the Temple Mikva Israel, and the various choirs of all the York and Scottish Rite bodies, also the shrine, being the only singer in all these bodies. At the same time he had charge of the music in the Sunday Shool of the Lutheran Church of the Ascension, all at Savannah, Ga. Upon removal to Nashville, Tennessee, he became baritone soloist, and later choir director, at Mc-

Kendree M. E. Church South, and soloist of the Scottish Rite Masonic choir, holding these positions during his residence of six years in that city. He is at present baritone soloist at the Centenary M. E. Church South, of Richmond, Va. He is the inventor of a "Multiple Unit" Sterilizer, adapted particularly to college needs.—ADDRESS: Medical College of Virginia, Richmond, Va.

THOMAS B. HARTZELL. Born in Beloit, Ohio, June 8, 1866. Educated in country schools and Mount Union College. Graduated from the University of Minnesota, Dental Department, with the degree of D. M. D. in 1893, and from the Medical Department with the degree of M. D. in 1894. He was teacher of Histology in the School of Medicine, University of Minnesota, 1892; instructor in Pathology, 1893-4. Instructor in Operative Dentistry, School of Dentistry, University of Minnesota, 1895-7; Professor of Comparative Dental Anatomy, 1896-8; Professor of Oral Surgery and Pathology since 1898 to the present. Research Professor of Mouth Infections, School of Medicine, 1913-14-15, and recently made Professor of Mouth Infections in the Post-Graduate School

of Medicine. Member: American Medical Association, Minnesota State Medical Association, Southern Minnesota Medical Society, Minnesota Pathological Society, Second District Dental Society, Minnesota State Dental Association, National Dental Association (Vice-President for the West, 1913). Member of the Board of Trustees of the National Dental Association, and member of the Scientific Foundation and Research Commission of the National Dental Association. He is the inventor of pyorrhea instruments. The following is a list of his literary contributions:

"The Operative and Post-Operative Treatment of Pyorrhea," (read before the New York State Dental Society at its annual meeting, Albany, May 8, 1913.) DENTAL COSMOS, November, 1913.

"The Practical Surgery of the Root Surface in Pyorrhea," (read before the Northeastern Dental Association at its annual meeting, Boston, Mass., October 29, 1910.) DENTAL COSMOS, May, 1911.

"Pyorrhea Up to Date," DENTAL SUMMARY.

"The Responsibility of the Dentist and Physician in Regard to Mouth Infections and Their Relation to Constitutional Effects," (read in the Section on Stomatology of the American Medical

Association, at the 64th Annual Session, Minneapolis, Minn., June 1913.) JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION, October 4, 1913.

"Oral Infection in Relation to Constitutional Infection," (read at the 44th Annual Meeting of the Minnesota State Medical Association, Duluth, August 13, 1912.) JOURNAL-LANCET.

"Oral Prophylaxis in Its Relation to Pyorrhea and Its Treatment," (read before the Chicago Dental Society, April 20, 1915,) DENTAL REVIEW, September, 1915.

"Report of the Mouth Infection Research Corps of the National Dental Association for the Year Ending July 1, 1914," (read before the National Dental Association, Rochester, N. Y., July 7, 1914.) OFFICIAL BULLETIN, National Dental Association, October, 1914.

"The Clinical Type of Arthritis Originating About the Teeth," (read before the Section on Orthopedic Surgery at the 66th Annual Session of the American Medical Association, San Francisco, June, 1915.) OFFICIAL JOURNAL, September 25, 1915.

"Surgical Relationships of Mouth Infections," (read before the Academy of Medicine, New York,

February 5, 1914.) NEW YORK MEDICAL JOURNAL, May 23, 1914.

"Root-Tip Amputation and External Drainage for Dental Abscesses," (read before the National Dental Association, Boston, Mass., July 28, 1908.)

"Pyorrhea Alveolaris: Its Etiology and Treatment," (read before the Canadian and Ontario Dental Convention, Hamilton, June 5, 1912.)

"The Dental Path: Its Importance as an Avenue to Infection," by T. B. Hartzell, D. M. D., M. D., and Arthur T. Henrici, M. D., (read before the Clinical Congress of Surgeons of North America, Boston, Mass., October 25-30, 1915.) JOURNAL OF SURGICAL GYNECOLOGY AND OBSTETRICS.

"A Study of Streptococci from Pyorrhea Alveolaris and from Apical Abscesses," by T. B. Hartzell and Arthur T. Henrici. JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION.

"The Etiology of Dental Abscess: Acute and Chronic."

"Secondary Infections Having Their Primary Origin in the Oral Cavity."

"The Mouth as a Factor in the Pathogenesis of Heart, Kidney and Joint Inflammations," (read before the North Dakota Medical Association at

Bismarck, May 13, 1915.)

"Mouth Infections and Their Relation to Human Health."

—ADDRESS: Donaldson Bldg., Minneapolis, Minn.

ALBERT A. JESSUP. Born in Salem, Oregon, February 27, 1875. Educated in the public schools, Willamette University and University of Oregon. Graduated from the Chicago College of Dental Surgery in 1898 with the degree of D. D. S. He is Secretary of the Idaho State Board of Dental Examiners for the past four years. Ex-President of the Idaho State Dental Society. Chairman for Idaho, and Honorary President, of the Panama-Pacific Dental Congress. Member of the National Dental Association. Idaho State Dental Society, and Xi Psi Phi Dental Fraternity, Lambda Chapter.—ADDRESS: 513 Overland Bldg., Boise, Idaho.

A. H. KETCHAM. Born in Whitney, Vermont, August 3, 1870. Educated in the common schools and Vermont Academy. Graduated from the Boston Dental College in 1892 with the degree of D. D. S. He is the inventor of the Dental

X-ray Film Holder and the Angle-Ketcham Arch Annealer.—ADDRESS: Mack Bldg., Denver, Colo.

JAMES ROLLO KNAPP. Born in 1852. Received the degree of B. A. from Pass Christian College in 1871, and the degree of M. A. in 1873. He began the study of law in the University of Louisiana. He studied dentistry with his father, a practicing dentist, and in the New Orleans Dental College, 1873-75. He received the honorary degree of D. D. S. from the Baltimore College of Dental Surgery in 1887, and from the Ohio College of Dental Surgery. He has a diploma from the *Institute Odontotechnique de Paris*, 1887. He was President of the Louisiana State Dental Society and Vice-President of the Southern Dental Association. He is the inventor of the nitrous-oxide blowpipe, of an electric mouth lamp, and of original devices in crown and bridgework. In recognition of his work he was presented with a diamond-studded gold medal by the Louisiana State Dental Society, and with a gold medal and a testimonial on parchment by the dentists of Brooklyn, N. Y.—ADDRESS: Cosmopolitan Hotel, New Orleans, Louisiana.

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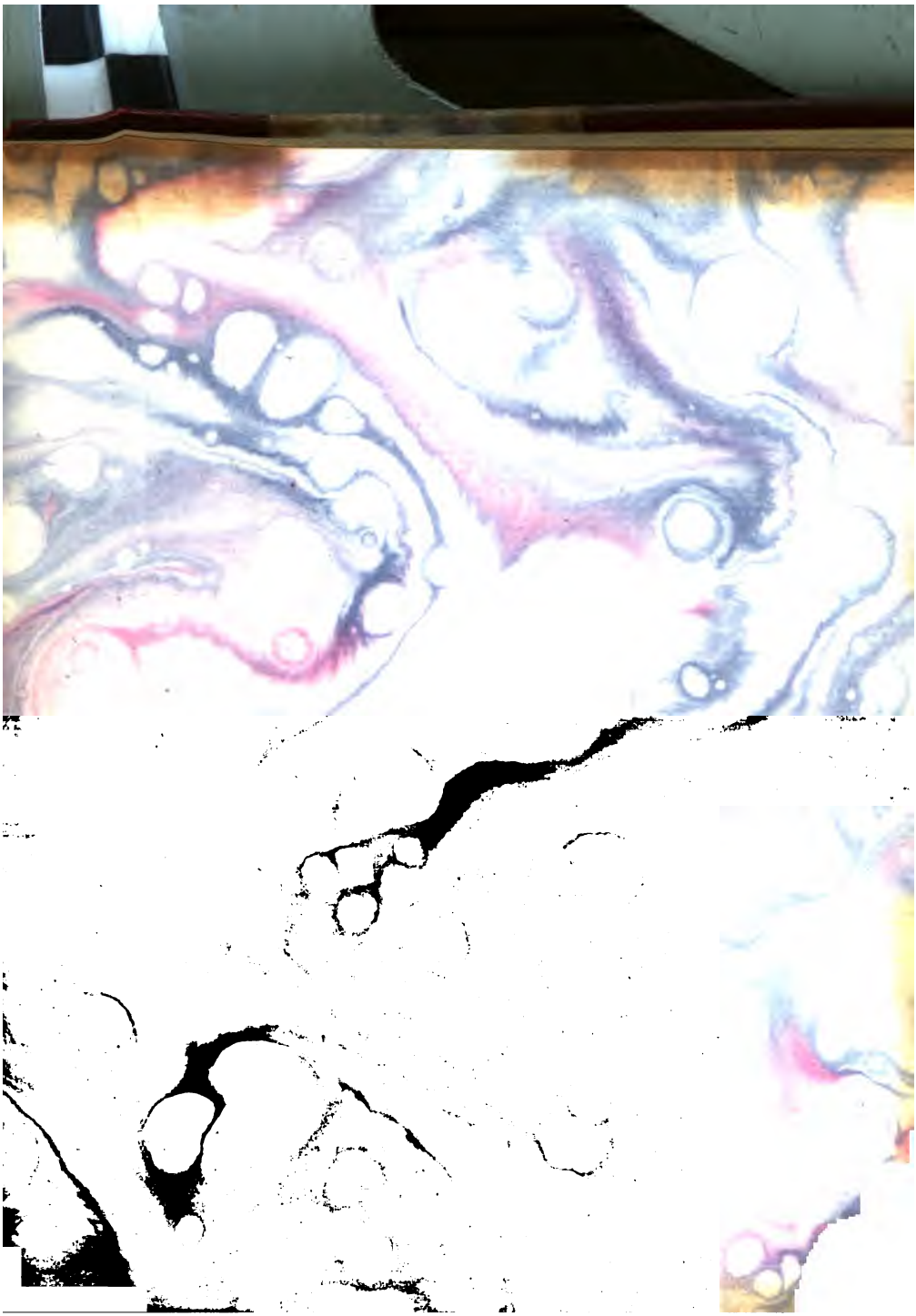

The Physicians
OF
Eliot, Maine.

The Physicians

OF

ELIOT, MAINE

BY

JOHN L. M. WILLIS, M. D.

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Ecclesiasticus viii, 1.

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And yet with these the list was but begun.
And so whate'er his patients might befall,
He ready stood to answer every call.
On ambling horse he rode the country o'er,
And carried hope and help from door to door
Where'er he went, to gentle babe or sire,—
Pain fled away and fever cooled its fire.
He promptly, bravely took his part and place;
And every station did his genius grace.
Heroic man! He did his duty well,
He fought for others till at last he fell.
Above his grave we need no column raise,
He lives immortal in our love and praise!"

—*The Doctor.*

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The Physicians of Eliot.

In the early days the two most conspicuous personages were the Clergyman and the Doctor. The records of the preachers are to be found in church and parish books; but the story of the doctors is more difficult to trace. Physicians have come into our town, have done their work, have died or gone away, and hardly a written or printed word concerning them can be found.

This can easily be understood, when we remember that prior to 1800, but few newspapers were published; and rarely did the Doctor's name find its way into print. The town records failed to make mention of him, unless he filled some town office. And if he owned no real estate, the Registry of Deeds does not contain his name.

From memories, records and traditions, we can revive many of the names of those who practiced in our town, as well as of those whose birthplace was here.

REGINALD FERNALD was, without doubt, the earliest physician in our Piscataqua plantation,—the doctor who came with Mason, and who practiced on both sides of our river. His home was at Strawberry Bank; yet he owned land in Kittery, and ministered to the sick among the scattered settlers here. He died in 1656, at Pierce's Island, and was buried at the Point of Graves, in Portsmouth.

Dr. Fernald's son, Thomas, had a perpetual lease of the islands now occupied by the Navy Yard, from Richard Vines, Gorges agent; and Vines himself was a Doctor.

The first Physician to actually settle in Kittery, was Dr. HENRY GREENLAND, who came from Newbury, Mass. He bought a dwelling house and brew house, July 16, 1666. This property formerly belonged to Nicholas Shapleigh. Greenland was evidently a political disturber, and constantly, in trouble with his neighbors. He was banished from the Massachusetts Colony, 1677. His wife was accused of being a witch.

He was followed by Surgeon FRANCIS MORGAN, who was licensed July 4 1671; and who practiced medicine in the sections now known as Kittery, Eliot, and the Berwicks.

Probably the physician who followed Dr. Morgan, was Dr. GEORGE JACKSON, in 1724. He appears in history as one who with Mr. Cutt and twenty men of Kittery, pursued a party of Indians into Penobscot Bay. The Doctor and Mr. Cutt were dangerously wounded; but both recovered. They were joined by Capt. Sylvanus Lakeman, who with a company of sixteen men, sailed from Ipswich, Mass. A few days before, Capt. John Caldwell, Daniel Rindge, and others of Ipswich, had been slain, scalped, and their shallop taken; and the Indians sailed into Penobscot.

In the Kittery records we find the following concerning Dr. Jackson's wife:

Kittery, February 17, 1725-6. This Day Expir'd Mrs. Joanna Jackson, in the 34th Year of her Age: the late Excellent Consort of Mr. George Jackson, Physician, (by whom she had 7 children,) and Daughter of Lieut. Col. Pepperrell, Esq: and Margery his Wife:

She was a Comely Person, but her Principal Ornaments were the Vertues of her Mind. She was Exemplary in her whole Conversation towards all her Relatives; was Beneficial to all, especially to the Living Images of God: Manifested more than ordinary Compassion to Sick People and was forward to Relieve the Poor.

It Pleased God to call her to a long and sharp Trial in her last Sickness, the Pains of which she suffer'd with great Patience & Holy Submission to the Will of God.

February 24. She was Decently Interr'd in her Father's new Tomb.

March 6. Two Ministers of the Gospel, well acquainted with the Gentlewoman's Worth, Preach'd each of them a Funeral Sermon on this Sorrowful Occasion.

In 1736, Dr. JOSEPH TODD was in Kittery; but nothing further can be learned concerning him.

Without doubt the first physician to settle in the upper parish of Kittery, now Eliot, was Dr. EDMUND COFFIN.

Born in Newbury, Mass., March 19, 1708; the sixth son

of the Hon. Nathaniel Coffin. He removed from Newbury to Eliot, about 1730; and commenced practice as a physician. He married Shuah Bartlett, the daughter of Capt. Nathan and Shuah (Heard) Bartlett. The marriage intention was entered "Sept. ye 11th, 1732."

Dr. Coffin's house stood near the home of Mr. James W. Bartlett, at the foot of the garden; and his grave is in the old burying ground in the field of Mr. C. Edward Bartlett. His gravestone may yet be seen. He had thirteen children, the youngest born in 1759.

Two sons of Dr. Coffin,—Nathan and Nathaniel,—were patriots of the Revolution, and proved their zeal by actual service. Nathan was Sergeant, Capt. T. Fernald's Co. 30th Foot Reg. United Colonies; enlisted May 3, 1775. He was then twenty-six years old.

Nathaniel was First Lieut. Capt. John Shapleigh's Co. Coast Guards, at Kittery Point, in 1775; and in Capt. Hubbard's Co. Coast Guards, January to November, 1776. —See July *Old Eliot*, pp. 106, 119.

In Coffin's history of Newbury, page 210, is a letter, written by Dr. Coffin, of Eliot, to his father; and on page 337, is another communication.

In the Berwick town records, 1730, we find the following: "Voted that three pounds be granted to Dr. Edmund Coffin, for the prime cost of his medicines, in doctoring Ebenezer Beltwood in his long and lingering sickness, when on his deathbed."

Dr. Coffin owned a small field near the Geo. Frye place.

Dr. JOSHUA BRACKETT, married Hannah Whipple, April 14, 1760. He practiced in Kittery several years; then moved to Portsmouth. After him the medical man was—

Dr. DANIEL PEIRCE, who came to Kittery from Newbury. He was born 1740, and died Aug. 23, 1803, aged 63 years. He continued in practice till his death.

He lived at Spruce Creek. His office was in the house of Col. John Shapleigh; and he also had a drug store at the same place. This estate is now owned and occupied by his great grandson, Dr. George S. Peirce.

Dr. Peirce was twice married: first to Olive Jordan, of Biddeford, 1765. She died Dec. 1, 1800. He then married Ruth Sargent. He had nine children.

Three books are yet extant, quaintly bound in old-time sheepskin, each bearing the title,—inscribed with his quill,—*Daniel Peirce, his Leiger Book of Accounts.* The records of these volumes cover thirty years: 1770-1800. In glancing at the multiplied pages, we find he visited many families in Kittery Upper Parish, now our own Eliot. Among the many names, are:—

John Heard Bartlett, Esq., Capt. Andrew Pepperell Fernald, Hon'ble John Frost, Maj. Samuel Leighton, Capt. Thomas Hammond, the Rev'd Alpheus Spring, Joshua Hubbard, Esq., Nathaniel Staples, Samuel Dixon, Simon Frost, Thomas Hanscom, and many others.

Every name has the record of the medicine prescribed; and, as above stated, he was his own Apothecary. He charges carefully each pill, powder, tincture; and one can

hardly help a smile to find occasionally *a pint of West India rum;* and on one page is a *mug of flip;* as it was not on a "visit" to the patient, probably the man who indulged called at the Doctor's office for medicine.

It would seem, also, that not only did the Doctor have an occasional retail of "West India," but more substantial things; for in 1788, he writes: "Sold Doct'r Joshua Brackett, of Portsmouth, Beef and Veal, £7, 10s."

The following register would indicate that his patriotism was undoubted in Revolutionary days:

The Town of Kittery to D. Peirce, Dr., as agencer for sd Town for to procure Powder:

1775, June 6. To a Journey to Watertown, in order for to purchase powder. Six Days gone, & found at 4s pr Day for myself & horse,— £1, 4, 0.

June 15. To a day at Berwick, found myself £0, 6s 0.

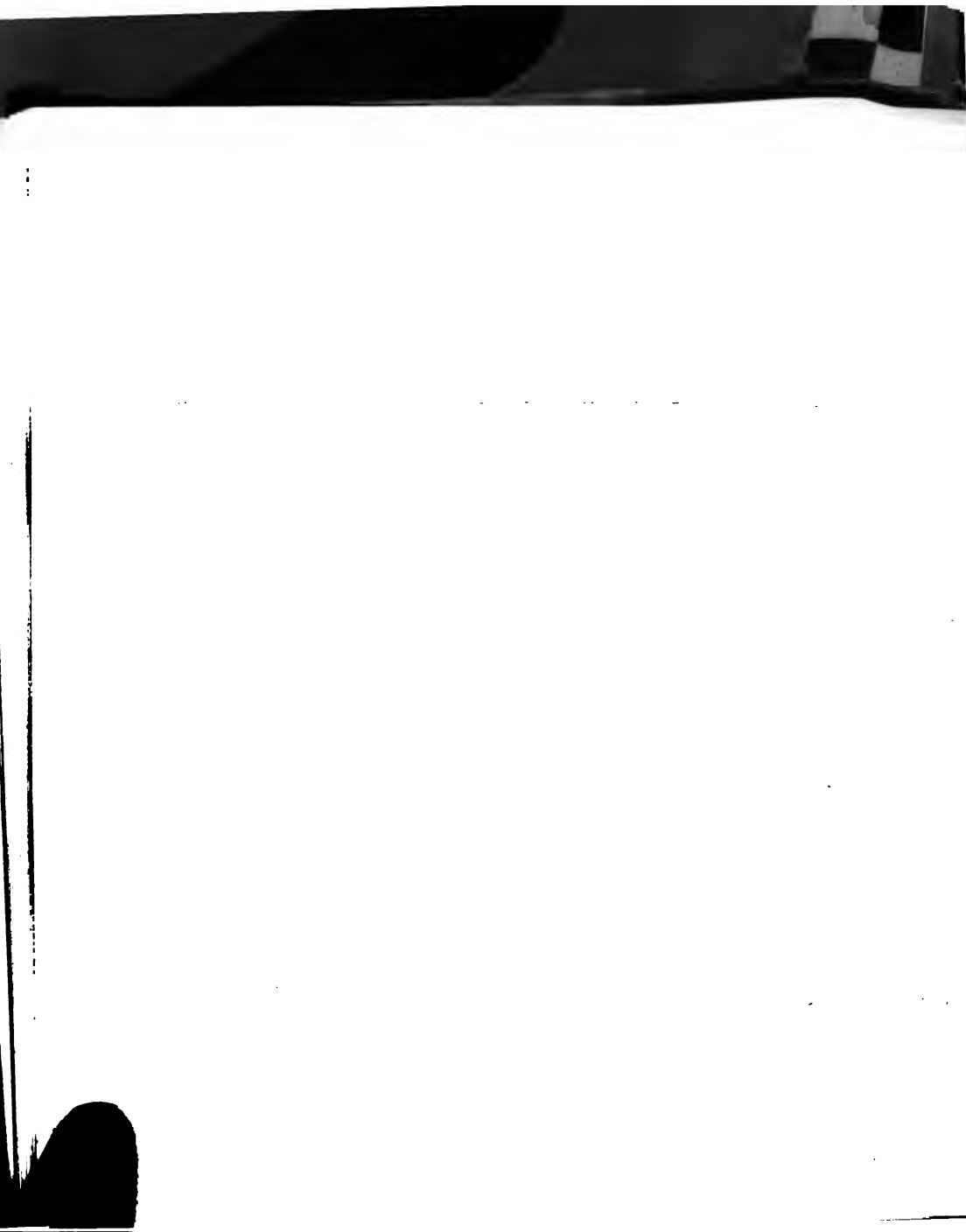
June 24. To a Day in securing & bringing into Town half a Barrell Powder, ——

These ancient volumes, barren as the orchards in winter, have really a singular interest; glances at the old-time names, recorded on the Doctor's sick lists, seem very like a visit to some quaint historic locality of our interesting township.

Dr. Peirce, as previously stated, died in 1803, aged sixty-three years. His life had been a busy one; for he was Store-keeper, Postmaster, Doctor, till life closed.

Then came Dr. JAMES H. PIERPONT, who was the only son of William Pierpont of Roxbury. He was born in

Elms in front of the Home of Dr. James H. Pierpont.
On Old Road.



1769, and died in Portsmouth, in 1839. Dr. Pierpont began the practice of medicine in Eliot; but after several years he moved to Portsmouth, and was for the remainder of his life one of the leading physicians there. He is described as a tall fine looking man, with a genial, kindly face. He is alluded to in Brewster's *Rambles*, as "the beloved physician." Dr. Pierpont was twice married, and had several children. He built the house owned and occupied for a lifetime by Mr. Benjamin Kennard; now owned by Mr. Fred K. Nelson.

He was followed by Dr. CALEB EMERY, who was one of the most prominent men of his day; and of more than local reputation as a skillful physician and business man; of great personal magnetism, strict integrity, and marked force of character. He was greatly interested in the public affairs of State and Town; and at the time of his death he was a prominent candidate for Governor of Maine.

He is said to have been a noticeably handsome man, about five feet and ten inches in height, and rather stout. He married Mary Ann, daughter of the Rev. Samuel C. Chandler, pastor at Eliot; they had six children,—three sons and three daughters. The daughter Sarah, became the wife of Naval Constructor William L. Hanscom; Elisabeth, married Mr. Vincent; Lydia remained unmarried. His two eldest sons,—Caleb and Chandler,—when young, went South, and lived there permanently. The younger son, William, inherited the old homestead; and

for many years was a draughtsman at Kittery *Navy Yard.*

Dr. Emery began the practice of medicine in *Eliot* in 1809; and continued the same till his death, Feb. *16, 1831,* at the age of forty-three years.

He was a gifted speaker, and delivered many notable orations. The manuscript of one of these is in the writer's possession. It was published in *Old Eliot,* January, 1898.

He built and lived in the house now occupied by Mrs. Martha Coleman.

Immediately after the death of Dr. Emery, came Dr. JOHN Q. ADAMS, who spent his entire professional life in Eliot.

He built a large double house just north of Dr. Emery's, and on the same side of the road. After his death the house was sold and divided: one half is the house now owned by Mr. Charles Drake, at Bolt Hill, and the other half by Mr. George Bartlett, near the Congregational Church.

Dr. Adams was a man of native refinement, much interested in art and music; and of a professional descent, —his grandfather was the clergyman of Durham, and removed from thence to Lebanon. His father was a physician in Lebanon.

One says of him: "He was very tall and slender, with noticeably delicate hands; a very mirthful disposition; and a great lover of music. Those who remembered him

The Home of Dr. Caleb Emery.

The Home of Dr. Horace Stacey,
and successively occupied by
Dr. Mark F. Wentworth, Dr. C. H. Guptill,
Dr. H. I. Durgin.

said that he had a striking resemblance to Abram Lincoln."

He had one daughter,—Catherine.

He died at the early age of thirty-four years.

Dr. Adams was followed by Dr. JACOB HAYES, who, after a few years, moved to Charlestown, Mass., where he lived till his death, in 1861. He was a large, fine looking man, of scholarly attainments, successful both as a practitioner and as a business man. He was born in 1806; he left Eliot in 1840.

Dr. CHARLES M. WEEKS began practice in Eliot in 1840; and occupied the house near Plaisted's Corner, built by Dr. Adams, where he lived four or five years, and then went to Boston.

He is remembered as a good physician, and a man much interested in School-work. An old acquaintance describes him as tall, slim and wearing glasses.

Dr. JAMES HIDDEN came while Dr. Weeks was here. He remained about a year; boarded nearly opposite the home of Dr. Weeks, in the house now owned by Mr. John L. Emery.

Dr. HORACE STACEY was the next physician to settle in Eliot. He was born in Shapleigh, Maine. He built the house on Bolt Hill, that has been successively occupied by Dr. Mark F. Wentworth, Dr. C. H. Guptill, and Dr.

H. I. Durgin. After a few years practice he went to Boston, and did an office business, almost exclusively, for the rest of his life. He had one son, M. Elville, who studied law.

Dr. Stacey was followed by—

Dr. MARK F. WENTWORTH, who later sold his business to Dr. Guptill, and moved first to South Boston, then to Kittery; in which town he continued in practice till his death, July 12, 1896. He was born in Kittery, March 14, 1820; son of John and Betsey (Fernald) Wentworth. He studied medicine with Dr. Trafton, South Berwick; attended medical lectures in Dartmouth, and also at the University of Pennsylvania; from which latter institution he graduated.

Dr. Wentworth served in the War of the Rebellion with the rank of Colonel, till he was seriously wounded before Petersburg, in the famous Mine Explosion. For his "gallant and meritorious service," he was breveted Brigadier General of Volunteers.

Dr. Wentworth was much interested in politics; and filled many important offices. In 1860 he was delegate to the Republican National Convention that nominated Abram Lincoln for President and Hannibal Hamlin for Vice President.

He occupied the position of Naval Store Keeper at the Navy Yard; Represented his town several years in the Legislature; State Prison Inspector, 1887; Surveyor of

Dr. Calvin H. Guptill.

Customs for the District of Portland, 1891.

Dr. Wentworth was a tall and remarkably fine looking man, very prepossessing, of great natural ability, and most excellent judgment.

He married first, Eliza Jane Wilson; their children were: Annie, who died young; Mrs. Arvilla Trefethen, Mrs. Jessie Hobbs.

His second wife, who is still living, was Mrs. Hattie (Weeks) Phillips.

Dr. CALVIN H. GUPTILL practiced in Eliot for forty-four years. He was born in North Berwick, in 1814; graduated at Dartmouth Medical College, 1837. He began his studies with the senior Dr. Trafton of South Berwick.

While a student of medicine, he gave much thought and attention to Dentistry; and later studied and practiced with a Dentist in Boston.

He began practice, as a physician, in Dover, N. H., about 1841; and there remained four years. He returned then to his native town for a short time, and soon came to Eliot.

It was in 1845 that Eliot became his chosen home; and here he continued his professional career till his death, in January, 1889.

Besides his duties and labors as a physician, he did a great amount of dental work in his early years. People came from long distances for sets of teeth; he was very successful, completing his work skilfully on plates of gold.

He is remembered as remarkably ingenious, making all his dental and many of his surgical instruments. He left the impression, wherever he lived or labored, that he was a man of great ability and force of character; persistent in every undertaking; one who never knew defeat. His notably retentive memory enabled him easily to recall medical facts and events.

He was of positive religious thought; a constant attendant at the Congregational Church service; the Superintendant of its Sabbath School; and one of the Public School Committee. He was a great reader of secular and medical papers and books: often continuing page after page till he reached the *finis*, before the volume was returned to the shelf.

More young men studied medicine with him, than with any other physician of this region; sometimes six or eight were with him at one time.

In 1839 he married Harriet F. Clement; and thirteen children eventually completed the cheerful family circle:

Harriet N.	Lucien H.
Ariana	Emma E. F.
Ann Judson	Fanny F.
Melville L.	Edward E.
Haven M.	Edgar E.
Winslow W.	Carrie B.
Isabelle B.	

On his mother's side he was related to families of Gerrish;

among whom was the well-remembered Prof. Moses Gerrish Farmer, whose latest years were passed in Eliot; also Prof. Farmer's cousin, Alfred Little, whose memory is pleasantly revived as a visitor at Eliot, a man of singular musical skill; his own invented melodeon echoes yet.

Dr. LEMUEL MURRAY WILLIS, practiced in Eliot, during the years 1848-49; leaving here in the latter year for California.

He was the second son of the Rev'd Lemuel and Amanda R. (Simmons) Willis; and was born in Lebanon, N. H., Oct. 7, 1825. His father was a prominent Universalist Clergyman, who occupied several of the leading pulpits of that denomination: Troy, N. Y., Cambridge and Salem, Mass., Portsmouth, N. H.

In his youthful days, Dr. Willis developed a noticeable interest in books, languages and music; languages especially were a delight to him.

While a medical student he was introduced to Eliot as a Teacher of one of the public schools. He then returned to his classical and professional studies, and graduated at Dartmouth Medical College, Class of 1847; after which he crossed the ocean, and at Paris continued his studies for a year in the hospitals. He did special work under several famous Professors. His quick intellectual grasp of that which was new, developed the helpful life of his later years of practice.

While a youthful teacher at Eliot, he met *Miss Paulina* H. Fogg, daughter of John and Mary (Staples) *Fogg*; and they were married July 15, 1849. They had *one child*, the writer of this paper; the mother died March 23, 1858.

Dr. Willis married for his second wife, Abbie A. Neal, daughter of Eben and Priscilla (Hutchins) Neal, of Lynn. Their son, Harold N. is a resident of Arlington, Mass.; their daughter, Edith G. (Willis) Rideout, resides at Saugus, Mass.

Mrs. Abbie (Neal) Willis, died Nov. 21, 1903.

After leaving Eliot, Dr. Willis practiced in Canton, Chelsea and Charlestown, Mass. He went to Charlestown soon after the close of the Civil War, and spent the remainder of his life there.

Throughout the Rebellion he served as a Surgeon in the Union Army. In July, 1862, he was Assistant Surgeon, 26 Mass. Vol. under Gen. Butler, at New Orleans. Later he was made Surgeon of the 74th Reg. U. S. Volunteer Infantry. Served at Ship Island and Fort Pike, till the close of the War, with a devoted and earnest interest in the comfort of the soldiers.

He belonged to various Medical Societies, and was a Knight Templer Mason.

In his varied life he was not only a successful practitioner, but was widely known in Scientific circles; having been a founder of the Boston Microscopical Society, and its first President.

He was a great lover of the beautiful in nature, char-

Dr Lemuel Murray Willis.

acter, art; and his native musical and artistic taste and keenness made him a thorough musician,—an expert violinist and pianist.

Especially accurate as he was in thought and decision, it is not strange that we can add that he was a book-lover; and from youth to ripest years was a student. No language limited him; but the French, German and Latin were his favorite studies; and from the French and German he translated many books and published articles. He was a frequent contributor to scientific and medical journals, of original and translated papers.

The life ever busy, pleasant, helpful, came to its end at Charlestown, January 17, 1893.

In the early '60s, Dr. E. H. BROWN practiced for a time at the northeast part of the town.

He built the house afterwards owned and occupied by Albion K. P. Hammond, Esq., who studied medicine, but gave it up for a Government Clerkship.

Dr. Brown practiced here but a short time, and then went to New York city, and became eminent as a physician there.

In the same section of the town lived and practiced Dr. OLIVER ARNOLD JONES, who was born in a logcabin, in what is now known as Lancaster, N. H. in 1800.

He graduated from Dartmouth Medical School, about 1827. Married Mrs. Mary A. Fernald, May 29, 1830, and

died in Eliot, in 1865. After graduating he came *directly* to Eliot, and had a wide circuit of practice till his death.

He was of medium height, slender build, and possessed an unusually even disposition. He had three sons and one daughter. One son, Oliver, is still living near the old homestead.

Dr. Jones was a constant reader, and possessed of a strong and reliable memory. He was a Bible student, also; and by his suggestions and energy, the first Sabbath School was established in the M. E. Church at East Eliot.

He was also instrumental in the opening of the School Houses of Eliot in the summer time. Previously the winter terms only were held; and in the summer weeks the children who continued their studies, and the little ones too young for the winter terms, attended private, or as they were often termed, Dame's schools.

His home and office were on the spot now occupied by Mr. Andrew Pepperell Fernald, on Goodwin Road.

Dr. JOHN L. M. WILLIS, the writer and compiler of these Medical names and pages, was born in Chelsea, Mass., Feb. 11, 1856. Came to Eliot with his mother, just before her death, in 1859, and has lived here till the present time.

Preliminary education obtained in the public schools, and in Eliot and Berwick Academies. Graduated from Bowdoin College, Medical Department, in 1877. Received

Home of Dr. J. L. M. Willis
Old Road.

an appointment as House Surgeon to the Maine General Hospital. After one year's Service there, took Post Graduate Course in the New York University.

Has been interested in and connected with the Public Schools of Eliot as Teacher and Superintendant: and a Trustee of Berwick Academy.

Is an Ex-President of the York Co. Medical Society; Ex-Vice President Maine Medical Society; Chairman of the Maine Medical Board of Registration; Member of American Medical Association and Strafford Co. Medical Association; Assistant Surgeon First Maine Regiment M. V. M. appointed 1880.

Member of the Maine Historical Society; and of the Warwick Club of Portsmouth. An Odd Fellow;—Knight Templar; 32 degree Mason; Noble of the Mystic Shrine.

Trustee for the town of the William Fogg Library, now just completed; and in charge of the building and equiping of the same.

Has been a book lover and collector for many years, and has a private library of over four thousand volumes.

Lives on the old John Fogg homestead, that has been in possession of his mother's family since 1699.

For seven years edited the historical magazine, *Old Eliot*, and is President of the Eliot Historical Society.

Married, Oct. 1, 1879, Carrie Estella Ham, daughter of Freeman C. and Ellen J. (Cooper) Ham. Has one daughter, Elisabeth Gail Willis; and one son, Harlon Parker Willis.

Dr. HENRY I. DURGIN, began the practice of medicine in Eliot, Nov. 6, 1889; about ten months after the death of Dr. Guptill, whose estate he purchased.

Dr. Durgin is the son of John and Mary E. (Kenison) Durgin; born in Freedom, N. H., April 21, 1864.

Fitted for college at New Hampton, N. H. Literary Institute. Graduated from University New York City Medical Department, March, 1889; and received an appointment to what is now the Lincoln Hospital and Home in New York city.

Dr. Durgin is a member of the American Medical Association, Maine Medical Association, York Co. Medical Society, of which he has been President, Portsmouth Medical Society, and Strafford County Medical Society.

He is a past President of the Paul Jones Club, S. A. R., and a member of the Navy League of the U. S., and the Warwick Club of Portsmouth, N. H.

He is a member of Royal Arcanum Grange and Eastern Star; Past Sachem in the Order of Red Men; Past Chancellor Commander in the Order Knights of Pythias. A member of Unity Royal Arch Chapter; Maine Council Royal and Select Masters; St. Amand Commandery Knights Templars; Thrice Potent Grand Master of Ineffable Grand Lodge of Perfection, Ancient Accepted Scottish Rite, of Portsmouth.

Member of Portsmouth Council Princes of Jerusalem; New Hampshire Chapter of Rose Croix, Edward A. Raymond Consistory; Kora Temple Mystic Shrine.

Dr. Henry I. Durgin.

Physicians Born in Eliot who Practiced in other Places.

Among the Eliot Doctors whose fields of labor have been or are in other places, may be mentioned,—

Dr. WILLIAM A. STAPLES. son of Nathaniel and Elisabeth (Leighton) Staples, born in Eliot, Oct. 25, 1795. Graduated at Bowdoin College, in 1816; took his Medical degree at Jefferson.

He went to Mantanzas, Cuba, and to Havana, where he built up a large practice. He was stricken with yellow fever, and died April 29, 1820. There is a tradition of suspected poisoning on the part of a jealous Spanish physician. Very few of his effects ever reached home.

Dr. WILLIAM FROST, sixth son of Brig. Gen. Frost, practiced at Demarara, Cuba; and was Surgeon in the U. S. Navy. Died in Cuba, 1823.

Dr. CHARLES LEIGHTON, son of Andrew and Sarah (Odiorne) Leighton, born in Eliot, July 9, 1823.

He left home at the age of fifteen years, and went to Hyannis, Cape Cod. He there studied evenings with a minister, and became proficient in Latin, Greek and Geology.

He graduated at Jefferson Medical School, and settled at Sinking Springs, Highland Co. Ohio. He died in that

Birthplace of Dr. Charles Leighton;
and of Miriam Leighton, the mother of Dr. John F. Hill.
The Home of the First Public Library.

town, where he had practiced medicine fifty-four years, Dec. 14, 1902. He had a good practice, accumulated some property, but cared nothing for money.

He had the finest library in that section of the country, and was a great reader and lover of books. Only two or three years prior to his death, his house, with all his books, was burned.

An acquaintance says of Dr. Leighton:—

"He was a blessing to the community in which he lived. His whole life has been one of devotion to the interests of the town's people. He gave to young and old; he thought all worthy of his help."

Dr. ELISHA B. SHAPLEIGH, born in the old Shapleigh house, at the corner of Hill and State Roads, Oct. 6, 1822. He was the second son of James Waldron and Elisabeth (Baker) Shapleigh. He was a descendant of Alexander Shapleigh, the English Trader, who came to the Piscataqua in his own ship, about 1636.

His education was obtained in the old Eliot Academy, Berwick Academy and Yale College,—graduating at Yale in 1846. In 1844, he was one of the founders of the Delta Kappa Epsilon Fraternity, of which he was always proud.

After his graduation, he began the study of medicine with Dr. Theodore H. Jewett, of South Berwick; and later was an "office student" of Prof. George B. Wood. He received his degree of Doctor of Medicine from the University of Pennsylvania, in 1849.

Dr. Shapleigh first established himself in *Lowell, Mass.* but he soon went to Philadelphia, where he spent the remainder of his days, winning fame in his profession and civil life. He died Dec. 10, 1892.

For years he was the Coroner's Physician, and probably called to the witness stand as an expert in the details and minutiæ of crime, oftener than any other physician of his State. He was noted as an expert classical scholar, and had a mind splendidly trained by wide culture and observation.

Dr. Shapleigh was a Knight Templar, Member of the College of Physicians and of the Northern and County Medical Societies; and for many years was a Surgeon of the Philadelphia and Reading R. R.

He contributed many pages of real interest to the medical journals.

He died at his home in Philadelphia, Dec. 10, 1892.

Dr. JOHN S. H. FOGG, was the son of William and Betsey (Hill) Fogg; born in Eliot, May 21, 1826; died in South Boston, October 16, 1893.

The last twenty years of his life, Dr. Fogg was paralyzed completely in the lower limbs; being unable to stand or walk. He bore the great affliction uncomplainingly; and busied himself with his books and autographs.

His wife, (Mary, daughter of the Rev. Joseph H. Clinch, Rector of St. Matthews, South Boston,) assisted

Dr. JOHN S. H. FOGG,
Founder of William Fogg Library.

him with rare devotion, even refraining, for nearly ten years, from leaving him to go into the street.

Mr. Libbie, the book and autograph expert, said to the writer of this, that Mrs. Fogg was probably "the most thoroughly educated woman, in history and biography, in this country."

Dr. Fogg's early education was obtained in the District School, (No. V,) and in the Academy, which was near his home.

He graduated from Bowdoin College in 1846; and from Harvard Medical School, in 1850.

During his College course, he tested his genius and skill by teaching school several terms.

After his graduation in Medicine, he settled at South Boston; and rose rapidly in his profession. His was a most successful career.

He was a gentleman; amiable, courteous, kind and philosophic. A fine face, attractive countenance, a bright, expressive eye, soft voice,—a genial man.

He was a scholar, too, of cultivated taste; and along certain lines possessed most perfect knowledge,—especially as a genealogist, historian and collector of autographs; and in the last,—the collection of autographs,—his superiority amounted to genius.

The great feat in his unusual collection, was the forming of a complete set of the—

Signers of the Declaration of Independence.

He turned his attention to it in 1875; his efforts ended

with most gratifying success, in 1881. He had also the autographs of the

Sovereigns of England, from Henry VII to the most gracious Queen Victoria,

—the last on the throne while he was living. He succeeded also in obtaining the signature of

The Members of the Stamp Act Congress ;
The Aids de Camp of Gen. Washington ;
The Major Generals of the Revolution ; and
The Brigadier Generals :
The Presidents and Vice Presidents of the United States.

And this record does not name all the multiplied signatures collected. No wonder he was recognized as an expert in this interest by the many who knew his name.

Dr. Fogg left this wonderful collection of autographs to the Maine Historical Society. It was apprized at his death at twenty-five thousand dollars.

He served in the Massachusetts Legislature in 1855; Member of the Boston School Board many years; the Massachusetts Genealogical Society, Boston; Corresponding Member of the Maine Historical Society.

He held kindly memories of his native town,—Eliot,—and provided for the erection and maintenance of a *Free Public Library*,—to bear his Father's well remembered name,—the WILLIAM FOGG LIBRARY.

A part of his estate showed a life-long characteristic

of the man, for it consisted of his rare and valuable books—his *Private Library;* apprized at his departure at ten thousand dollars. These books are placed upon the shelves of the new structure that is not only in his native town, but is on the very acres that were a part of his father's homestead and his own birthplace.

He gave a childhood memory to the writer of this: "As a boy," he said, "books were the things I craved the most; and they were the hardest to get; and it is my intention to make books easier for the girls and boys of Eliot."

And Eliot will hold his name in most pleasant remembrance; for he has already widely spread the early rays of on advancing day.

Dr. ALPHEUS S. CHANDLER, a native of Eliot, and a son of the clergyman whose name is yet remembered and often familiarly spoken as "Parson Chandler."

Alpheus, the son, evidently inherited the father's zeal and intellectual strength; for he pursued a college course, graduating at Harvard Medical School.

His energy led him to join the first company to settle and establish a new town,—Columbia Falls, Maine.

He was the Town Doctor for forty years.

At the advanced age of seventy-five years, he was thrown from his carriage and killed.

Dr. JOHN S. FERNALD, son of Andrew P. and Martha (Shapleigh) Fernald, born May 1, 1800, on the spot

where Mr. Andrew P. Fernald now lives.

The Doctor married Miss Sarah Ann Paul, the daughter of Mr. James Paul.

His second wife was a lady of Barrington, Martha Meservy, daughter of Andrew Meservy; he settled in that place in practice.

A few years later he removed to Dover, where he died, 1862.

Dr. GEORGE MELVILLE FROST, son of Joshua and Catherine Shapleigh (Paul) Frost, was born April 27, 1843. He received an academic education at Eliot and Berwick.

He began the study of medicine with Dr. C. H. Guptill; attended three courses of lectures at the Medical School of Maine, where he received his degree in 1869.

He settled at once in Peabody, Mass., and began a practice that steadily increased in extent and success.

He was a member of the Board of Health for more than twenty years, and much of the time its Chairman.

He was a man of strong individuality; persistent in every undertaking; strong in his likes and dislikes; always a seeker for the truth.

His earnestness in the care and welfare of his patients made them his lifelong friends.

He was a close student of professional literature, and spent much time in London hospitals in 1876.

Dr. Frost married Oct. 9, 1873, at Beverly, Mass.,

Dr. George Melville Frost.

Dr. William O. Junkins.

Hanscom Elms.
In front of the Home of Dr. William O. Junkins.

Aseneth Marshall. He died June 20, 1898.

Dr. WILLIAM O. JUNKINS, born at Berwick, May 13, 1845. The only child of the late Alexander and Elisabeth (Staples) Junkins.

At the age of ten years his parents moved to Eliot. Here he attended the common schools and the Academy.

Later he was sent to Berwick Academy; and from thence to Bowdoin College, where he graduated,—June, 1870.

He studied medicine with the late Dr. M. F. Wentforth, of Kittery, and at the Portland School of Medical Instruction; and commenced the practice of medicine at Kittery Point.

He remained at the Point a few months only. In June, 1871, he went to Greenland, and it was his home for twenty-two consecutive years.

In 1894, he removed to Portsmouth, where he still resides, making a continuity of thirty-five years of practice.

He is a member of the Portsmouth and Rockingham Medical Societies; and a Surgeon at the Cottage Hospital.

He belongs to the Massachusetts Society, and Paul Jones Club of Portsmouth, S. A. R.; Pepperell Association; St. Andrews Lodge, F. A. A. M., Davenport Council; DeWitt Clinton Commandery K. T.; Washington Chapter; Aleppo Temple A. A. O. Nobles of the

Mystic Shrine; Raymond Consistory, Scottish Rite, 32d Degree Mason; Damon Lodge, Knights of Phythias.

He was a member of the School Committee, of Eliot; Supervisor of Schools and Town Clerk of Greenland; Master Winnicut Lodge, A. S. A. M. of that town; and Mayor of Portsmouth for two terms, 1896 and 1897.

He is Past District Deputy Grand Master of the Grand Lodge of New Hampshire and Honorary Aide de Camp, rank of Colonel, Union Veterans Union.

Dr. JOHN FREMONT HILL, son of William and Miriam (Leighton) Hill, born in Eliot, Oct. 29, 1855; married, May 19, 1880, Lizzie I. Vickery. Their only child, Percy, was born March 16, 1881. Mrs. Hill died April 10, 1893.

Dr. Hill married (2) April 25, 1897, Mrs. Laura Liggett, daughter of the Hon. Norman Colman, Sec. of Agriculture under Pres. Cleveland. They have one daughter.

He was educated at the Eliot and Berwick Academies and Putnam Free School, Newburyport; studied Medicine at the Maine Medical School, and at Long Island College Hospital, Brooklyn,—graduating in 1877.

Practiced Medicine a year at Boothbay Harbor, Maine; then went to Augusta, where after six months practice, he gave up medicine, and began his business career with the P. O. Vickery Publishing Co. He soon became a partner, and developed one of the largest enterprises of the kind in the country.

He has for many years ranked among the most

Dr. John F. Hill.

prominent of the successful business men of Maine.

Dr. Hill has served in both branches of the Legislature, and as a member of the Executive Council.—Presidential Elector, 1896. Governor of Maine four years —ending in 1905.

He has been Trustee of the Kennebec Savings Bank; Director of Augusta National Bank, and several years its President.

At the present time he is the—

President and Trustee of State Trust Co.;
President of Springfield Railway and Light Co.;
Trustee of Security Trust Co. of Rockland;
Director in the Granite National Bank;
President of Somerset Railway Co.;

Director in the —

Eastern Steamboat Co.;
The New England Telephone Co.;
The Augusta, Winthrop and Gardner Street Railway;
Rockland, Thomaston, Camden Street Railway;
Wisconsin Central Railway;
Augusta City Hospital;
President Augusta Water District;
Trustee of the Lithgrow Library and
Berwick Academy.

He is a member of the

St. Louis Club;
St. Louis Country Club;
University Club of Boston;

He is a member of the
Maine Historical Society, and
Maine Genealogical Society.
Honorary member of the
Maine Society of New York;
Trustee of Maine Sanitorium, and
Its First President;
Member of—
Republican National Committee for Maine.
Also: Knight Templar Mason;
Member of the—
Society of Colonial Wars;
Massachusetts Society of Mayflower Descendants;
Maine Society of Mayflower Descendants, and its First President.

Dr. Hill has been a great benefactor to his native town, having been instrumental in the building of the Electric Railroad which connects Eliot with Dover, Kittery, York and Portsmouth; and of him it may be said,—that he is Eliot's most distinguished son.

Dr. LUCIAN H. GUPTILL, son of Dr. C. H. and Harriet (Clement) Guptill, born in Eliot, March, 1854.

He obtained his preliminary education in the District School, Eliot Academy, and the New Hampton Literary Institute.

He then studied medicine with his father; and, in

Birthplace of Dr. John F. Hill.

June, 1877, graduated from the Maine Medical School with honor.

In 1878, he graduated from the Post Graduate Department of New York University.

Dr. Guptill began his practice at Charlestown, Mass. Here he remained until recent years, then removed to Roxbury, his present home.

He has always been prominent in church and society, and in his professional labors; he has a large practice.

Dr. WILLIAM EMERY. Born in Eliot; the son of William E. and Martha Emery; and the grandson of Dr. Caleb Emery, whose name frequently appears in these sketches.

His preliminary education was obtained at Berwick Academy. He then studied medicine, and graduated from Boston University. He then opened an office in that city.

He was a brilliant young man; endowed with gifts and abilities that gave every promise of success.

He died suddenly in 1886.

Dr. EPHRAIM P. COLE, son of Ephraim and Elisabeth (Decater) Cole, was born in Eliot.

He graduated from Eliot Academy, and New Hampton Literary Institute, and began the study of Medicine with Dr. Calvin H. Guptill, of Eliot.

He entered the Medical Department of *Bowdoin College*, in 1875.

Completed his studies at Dartmouth *Medical College*, in 1879. After which he devoted himself to *literary and* business pursuits.

He married Abbie Young, of Kittery, Nov. 20, 1898.

Dr. JAMES K. P. ROGERS, son of Charles W. and Mary A. (Paul) Rogers, born in Eliot, August 24, 1865.

From the Common Schools he spent a year in Smith's Commercial College, Portsmouth, N. H.

He took the College preparatory course at Berwick Academy, and graduated with the Class of 1884.

Entered Bates College with Class of 1888, and graduated from Medical School of Maine, 1890.

After practicing Medicine two years at Sanford he removed to South Portland, where he has a large and successful practice.

He became a member of the Maine Medical Society, in 1890.

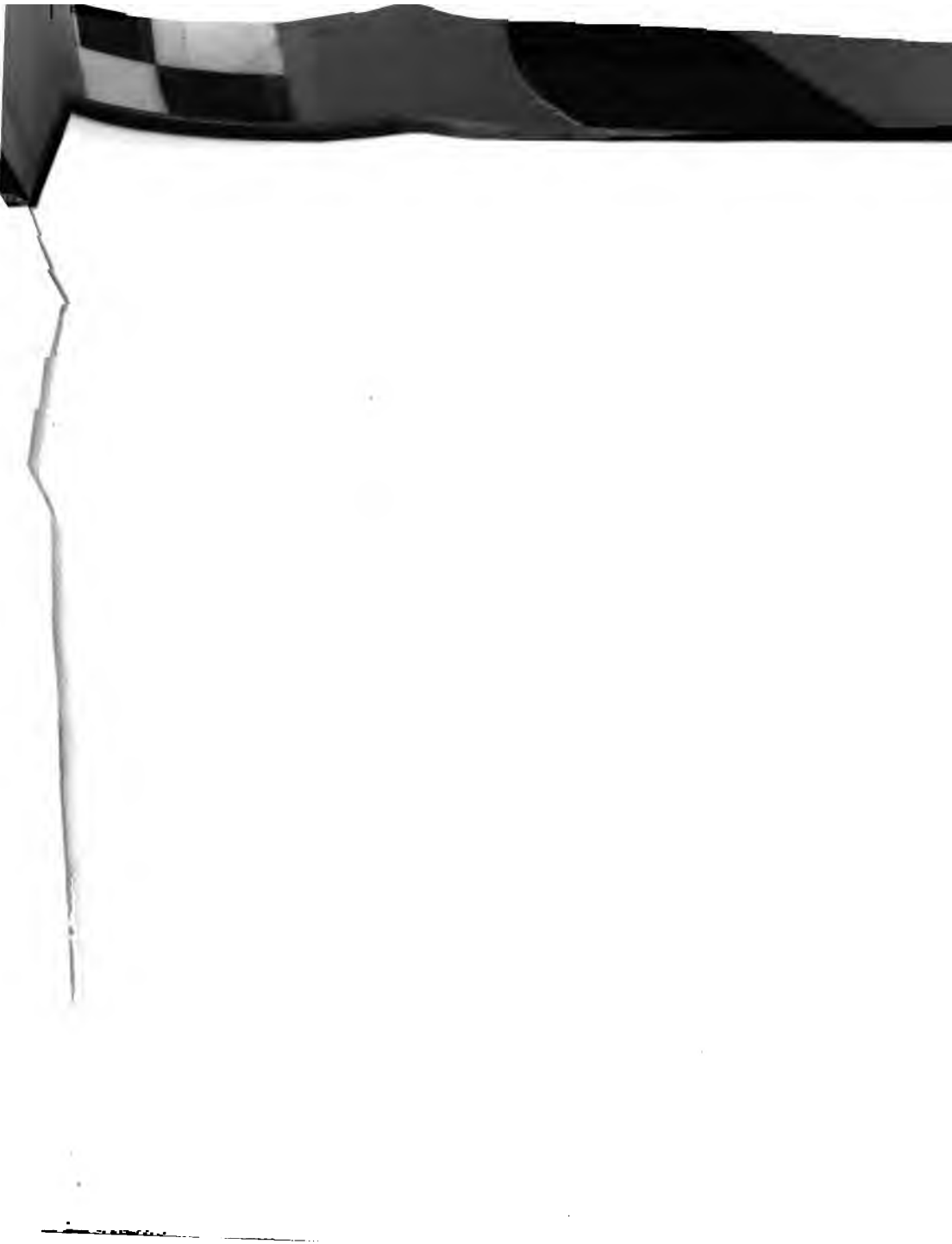
Was President of Portland Medical Club, in 1905.

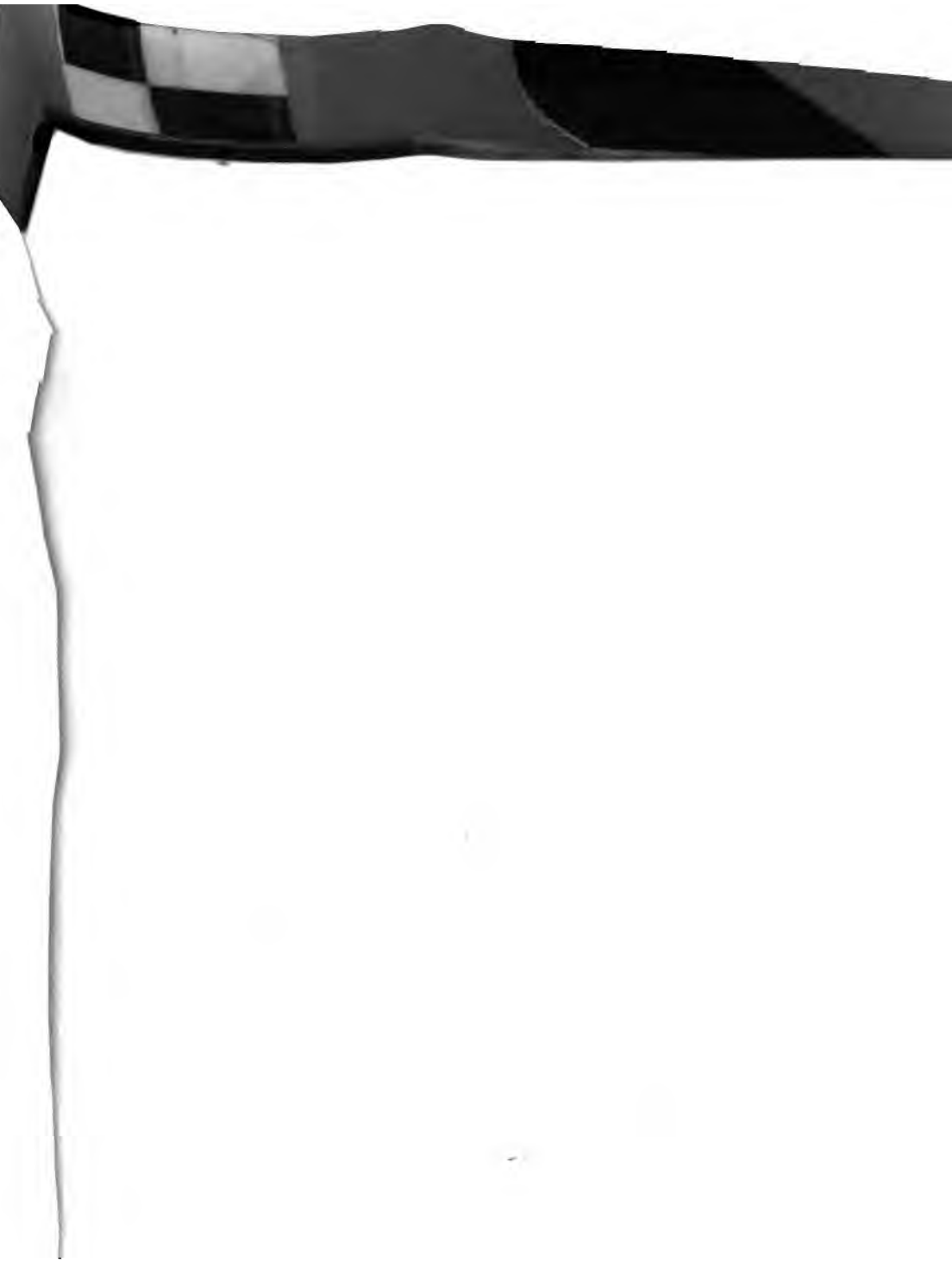
He was made a Mason in Preble Lodge, of Sanford;

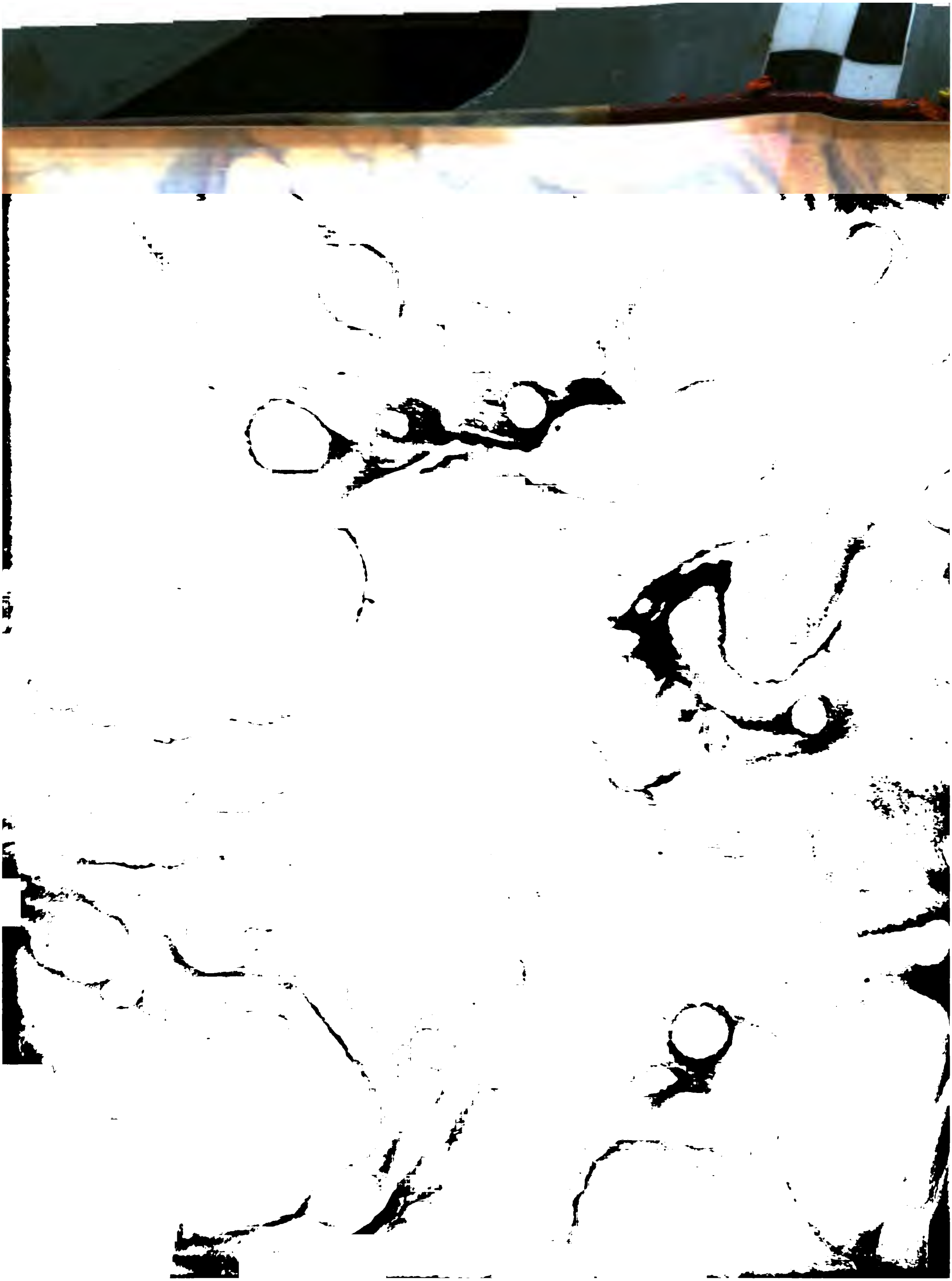
Passed through Greeleaf Chapter, Portland Council and St. Alban Commandery Knight Templars, Portland.

Married Angie A. Dame, daughter of the late Timothy Dame of Eliot; they have one daughter,—

Lilian A. Rogers, member of the Class of 1910,—Wellesley College.







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